

174822

**ALION SCIENCE AND TECHNOLOGY  
ESAT REGION V  
INTERNAL PEER REVIEW FORM**

**ENVIRONMENTAL SERVICE ASSISTANCE TEAMS**

---

Current Date: \_\_\_\_\_

Due Date: \_\_\_\_\_

Task Order (TO) No.: 05-0-05TO Description: Organic Data ReviewTDF No.: 5-05- 588IITRI  
Job No.: 1476-105- 168 - 001Case/SAS: Sawyer SasSDG: 905601 (Soil)Task Order Project Manager (TOPO): Richard Byvik

Audit Schedule - Minimum of 1 Auditor

Reviewer	Date Reviewer Completed	Reviewer's Initials	Hours Spent
<u>Stephanie Tobin</u>	<u>Full Review</u>	<u>ST</u>	<u>36</u>
Auditor	Date Audit Completed	Auditor's Initials	Hours Spent
<u>Allison Harvey</u>	<u>1/27/03</u>	<u>ACH</u>	<u>3</u>

Comments ( Please initial): \_\_\_\_\_

---



---



---



---



---



---

Environmental Protection Agency  
Office of Emergency and Remedial  
Response

TECHNICAL DIRECTION FORM  
(TDF)

Contract No. 68-W-01-014

Contractor: IIT Research  
Institute (IITRI)

Task Order No.  
05-0-05

TDF No. 5-05-588

Task Order Project Officer:

Richard L Byvik

Phone

(312) 353-3114

Superfund Site Name: Sauget Area 2 (Site Q), IL

105-168-001

Superfund Site ID #: 05XX LA 00

Start Date: 01/08/2003  
(Cost Estimate 50 hours)

Completion Date: 01/31/2003

**TASK DESCRIPTION: Level 4 review**

Perform Organic Manual VOA, SVOA, and Pesticides/PCBs Data Reviews for about 15 soil samples in SDG 905601 according to CLP SOW OLM03.2.

Perform this work under Task Area 2 of the Contract SOW and Task 4 of the Task Order. These are MANUAL Reviews.

**DELIVERABLE:**

Case summary package, as specified in the task order on page 2. The report is due to Richard Byvik on or before 01/31/2003. Provide electronic and hard copy.

PO APPROVAL:

Date:

I CERTIFY THAT THIS TECHNICAL DIRECTIVE DOES NOT REQUEST SERVICES THAT ARE INHERENTLY GOVERNMENTAL FUNCTIONS AND THAT IT DOES NOT ALTER THE (1) STATEMENT OF WORK, (2) LEVEL OF EFFORT, (3) COST OF PERFORMING THE AUTHORIZED WORK, (4) NUMBER OF DELIVERABLES, OR (5) THE DUE DATES OF DELIVERABLES FOR THE ABOVE REFERENCED WORK ASSIGNMENT.

TOPO Signature      Richard L Byvik      Date 01/08/2003

Original to Contractor

cc: TOPO file    Project Officer    Contracting Officer

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE: \_\_\_\_\_

SUBJECT: Review of Data  
Received for Review on \_\_\_\_\_

FROM: Stephen L. Ostrodka, Chief (SMF-4J)  
Superfund Field Services Section

TO: Data User: \_\_\_\_\_

for Steve Ostrodka  
Richard L. Byrnes  
1/29/03

We have reviewed the data for the following case:

Site name: Sauget Area 2 \_\_\_\_\_

Case number: Sauget SAS \_\_\_\_\_ SDG Number: 905601 \_\_\_\_\_

Type of Samples: 13 soil samples \_\_\_\_\_

Sample Numbers: X101 - X113 \_\_\_\_\_

Laboratory: Illinois EPA \_\_\_\_\_ Hrs. for Review: \_\_\_\_\_

Following are our findings:

*The data are usable and acceptable with the qualifications described in the attached narrative.*

*Richard L. Byrnes*

CC: Cecilia Moore  
Region 5 TPO  
Mail Code: SMF-4J

**Case Number : Sauget SAS**  
**Site Name: Sauget Area 2**

**SDG Number: 905601**  
**Laboratory: Illinois EPA**

The samples (X101 through X113) were collected on 05/24-27/1999. The laboratory received thirteen (13) soil samples on 05/25-28/1999. The Lab COC indicated that the samples were received intact but the temperatures of the coolers containing the samples were not recorded. The samples were analyzed for the full list of organic analytes following the statement of work for the multi medium level analysis.

Sample X109 was used as the low level matrix spike/matrix spike duplicates for the VOA fraction. Sample X101 was used as the low level matrix spike/matrix spike duplicates for the SVOA fraction. Samples X113 and X104 were used as the medium level matrix spike/matrix spike duplicates for the VOA and SVOA fractions, respectively. Sample X110 was used as the matrix spike/matrix spike duplicates for the Pest/PCB fraction.

Forms DC-1, DC-2, Sample tags and air bills were not included with the data package.

None of the samples in this data set were identified as QC blanks or field duplicate.

The VOA samples were analyzed on 05/26/1999 through 06/02/1999 well within the holding time of fourteen (14) days for the soil samples. The SVOA samples were extracted on 05/27/1999 through 06/03/1999 and the Pest/PCB samples were extracted on 05/28/1999 through 06/03/1999 well within the holding time of fourteen (14) days for the soil samples. The SVOA extracts were analyzed on 06/16-22/1999 and Pest/PCB samples were analyzed on 06/08-10/1999 within forty (40) days following the extraction; therefore, the results are acceptable.

The reviewer's narrative and data qualifiers are noted in the following pages.

**Case Number : Sauget SAS**  
**Site Name: Sauget Area 2**

**SDG Number: 905601**  
**Laboratory: Illinois EPA**

Below is a summary of the out-of-control audits and the possible effect on the data for this case.

## **1. HOLDING TIME**

The samples (X101 through X113) were collected on 05/24-27/1999. The laboratory received thirteen (13) soil samples on 05/25-28/1999. The Lab COC indicated that the samples were received intact but the temperatures of the coolers containing the samples were not recorded. The samples were analyzed for the full list of organic analytes following the statement of work for the multi medium level analysis.

The VOA samples were analyzed on 05/26/1999 through 06/02/1999 well within the holding time of fourteen (14) days for the soil samples. The SVOA samples were extracted on 05/27/1999 through 06/03/1999 and the Pest/PCB samples were extracted on 05/28/1999 through 06/03/1999 well within the holding time of fourteen (14) days for the soil samples. The SVOA extracts were analyzed on 06/16-22/1999 and Pest/PCB samples were analyzed on 06/08-10/1999 within forty (40) days following the extraction; therefore, the results are acceptable.

## **2. GC/MS TUNING PERFORMANCE**

**VOA & SV:** GC/MS tuning complied with the mass list and ion abundance criteria for BFB and DFTPP. All samples were analyzed within the twelve (12) hour periods for instrument performance checks.

**PEST:** The GC Resolution Check Mix met the 60% resolution criteria. The 4,4'-DDT and Endrin degradation checks using Performance Evaluation Mix of DB-608 and DB-1701 columns were acceptable (<20% for individual and <30% for Endrin and 4,4'-DDT combined); therefore, the results are acceptable.

The Florisil Cartridge performance check for the Florisil Cartridge lot used for Pest/PCB sample clean-up was performed on 06/07/1995 and it complied with the Statement of Work for the multi medium level analysis. The routine Florisil Cartridge and GPC Calibration Checks met the QC criteria; therefore, the results are acceptable.

## **3. CALIBRATION**

Initial and continuing calibration standards of VOA, SVOA and Pest/PCB were evaluated for the Target Compounds List (TCLs) and outliers were recorded on the outlier forms included as a part of this narrative.

## **4. METHOD BLANK**

**VOA:** For the VOA fraction, VBLKSL1 and VBLKSL2 are the method blanks for the low level analysis. VBLKSM1 and VBLKSM2 are the method blanks for the medium level analysis. VBLKSL1 contains Acetone at 2 µg/Kg. VBLKSL2 contains Acetone at 2 µg/Kg and Methylene Chloride at

Reviewed By: Steffanie Tobin (ALION/ESAT)  
Date: January 27, 2003

**Case Number : Sauge SAS**  
**Site Name: Sauge Area 2**

**SDG Number: 905601**  
**Laboratory: Illinois EPA**

4 µg/Kg. VBLKSM1 contains one (1) TIC. VBLKSM2 contains Methylene Chloride at 380 µg/Kg and one (1) TIC. Methylene Chloride and Acetone are common laboratory contaminants. The presence of Methylene Chloride in the samples associated with VBLKSL2 and VBLKSM2 is flagged as non-detected (U) when the sample results are less than 10X the blank results. The presence of Acetone in the samples associated with VBLKSL1 and VBLKSL2 is flagged as non-detected (U) when the sample results are less than 10X the blank results. The presence of the TICs in the samples associated with VBLKSM1 and VBLKSM2 are flagged as non-detected (U) when the sample results are less than 5X the blank results. Please, refer to Form IVs VOA for the list of associated samples.

**SV:** For the SVOA fraction, SBLKSL1 and SBLKSL2 are the method blanks for the low level analysis. SBLKSM is the method blank for the medium level analysis. SBLKSL1 contains Di-n-butylphthalate at 69 µg/Kg and fifteen (15) TICs. SBLKSL2 contains Di-n-butylphthalate at 43 µg/Kg and thirteen (13) TICs. SBLKSM contains Bis(2-ethylhexyl)phthalate at 3000 µg/Kg and one (1) TIC. Di-n-butylphthalate and Bis(2-ethylhexyl)phthalate are common laboratory contaminants. The presence of Di-n-butylphthalate in the samples associated with SBLKSL1 and SBLKSL2 is flagged as non-detected (U) when the sample results are less than 10X the blank results. The presence of Bis(2-ethylhexyl)phthalate in the samples associated with SBLKSM is flagged as non-detected (U) when the sample results are less than 10X the blank results. The presence of the TICs in the samples associated with SBLKSL1, SBLKSL2 and SBLKSM is flagged as non-detected (U) when the sample results are less than 5X the blank results. Please, refer to Form IVs SVOA for the list of associated samples.

**PEST:** For the Pest/PCB fraction, PBLKS1 and PBLKS2 are the method blanks. PBLKS1 contains 4,4'-DDE at 0.11 µg/Kg and PBLKS2 contains 4,4'-DDE at 0.074 µg/Kg. The presence of 4,4'-DDE in the samples associated with PBLKS1 and PBLKS2 is flagged as non-detected (U) when the sample results are less than 5X the blank results. Please, refer to Form IVs PEST for the list of associated samples.

## 5. SYSTEM MONITORING COMPOUND AND SURROGATE RECOVERY

**VOA:** For the VOA fraction, the system monitoring compound recoveries were within the QC limits; therefore, the results are acceptable.

**SV:** The recoveries of the following surrogates for the SVOA samples were above the QC limits for the following samples;

2-Fluorobiphenyl:	X113
Phenol-d <sub>5</sub> :	X109, X113
2,4,6-Tribromophenol:	X113

The recoveries of the following surrogates for the SVOA samples were below the QC limits for the following samples;

Reviewed By: Steffanie Tobin (ALION/ESAT)  
Date: January 27, 2003

**Case Number : Sauget SAS**  
**Site Name: Sauget Area 2**

**SDG Number: 905601**  
**Laboratory: Illinois EPA**

Nitrobenzene-d <sub>5</sub> :	X107
2-Fluorobiphenyl:	X103, X107, X103RE, X107RE
Phenol-d <sub>5</sub> :	X107, X103RE, X107RE
2-Fluorophenol:	X103, X104, X103RE, X104MSD
2-Chlorophenol-d <sub>4</sub> :	X107, X107RE

The recoveries of the following surrogates for the SVOA samples were below the 10% expanded limits for the following samples;

2-Fluorophenol:	X107, X107RE
2,4,6-Tribromophenol:	X103, X107, X103RE, X107RE, X104MSD

The base/neural results fraction for samples X103, X103RE, X107RE and X113 and the acid results fraction for samples X104 and X109 are acceptable since the Region V protocol allows at least two surrogates in either the base/neutral or acid fraction to be out of control before a re-analysis or qualification is required.

The acid results fraction for sample X113 should be qualified as estimated (J) and no qualification for non-detects. The base/neural results fraction for sample X107 should be qualified as estimated (J) and non-detects (UJ). The acid results fraction for samples X103, X103RE, X104MSD, X107 and X107RE and should be qualified as estimated (J) and non-detects as unusable (R).

**PEST:** For the Pest/PCB fraction, the recovery of TCX1 for X104DL was below the 10% expanded limit. The recovery of TCX1 for X103DL, X104, X107, X107DL, X111DL and X113DL was above the QC limit. The recovery of TCX1 for X109, X110MS, X110MSD, X112 and PBLKS1 was below the lower QC limit and greater than 10%.

The recovery of TCX2 for X104DL, X107 and X107DL was below the 10% expanded limit. The recovery of TCX2 for X104 was above the QC limit. The recovery of TCX2 for X103DL, X110MSD, X112 and PBLKS1 was below the lower QC limit and greater than 10%.

The recovery of DCB1 for X111 was below the 10% expanded limit. The recovery of DCB1 for X103, X103DL, X104, X104DL, X105, X107, X107DL, X111DL, X113 and X113DL was above the QC limit.

The recovery of DCB2 for X104DL was below the 10% expanded limit. The recovery of DCB2 for X103, X103DL, X104, X105, X107, X107DL, X111, X111DL and X113DL was above the QC limit.

The results for X103, X103DL, X104, X104DL, X107, X107DL, X111DL and X113DL are acceptable due to sample dilutions of five (5) folds or more. The positive result for X105 and X113 should be qualified as estimated (J) and no qualification for non-detects. The positive results for samples X109, X110MS, X110MSD, X112 and PBLKS1 should be qualified as estimated (J) and non-detects as estimated (UJ). The positive results for sample X111 should be

Reviewed By: Steffanie Tobin (ALION/ESAT)  
Date: January 27, 2003

Case Number : Sauget SAS  
Site Name: Sauget Area 2

SDG Number: 905601  
Laboratory: Illinois EPA

qualified as estimated (J) and non-detects as unusable (R). The QC limit of 30-150% was used for TCMX and DCB since this is the QC limit suggested from all the available documents for data review.

## 6. MATRIX SPIKE/SPIKE DUPLICATES

Sample X109 was used as the low level matrix spike/matrix spike duplicates for the VOA fraction. Sample X101 was used as the low level matrix spike/matrix spike duplicates for the SVOA fraction. Samples X113 and X104 were used as the medium level matrix spike/matrix spike duplicates for the VOA and SVOA fractions, respectively. Sample X110 was used as the matrix spike/matrix spike duplicates for the Pest/PCB fraction.

VOA: The spike recoveries and RPDs for the VOA fractions were within the QC limits; therefore, the results are acceptable.

SV: For the low level analysis SVOA fraction, the RPD of Pentachlorophenol for X101MS/S101MSD was above the QC limit. The positive result for Pentachlorophenol of the unspiked sample (X101) should be qualified as estimated (J) and non-detects (UJ). The recovery of 2,4-Dinitrotoluene for X101MSD was above the QC limit but less than 100%, no qualification is required for 2,4-Dinitrotoluene in the unspiked sample (X101).

For the medium level analysis SVOA fraction, the RPDs for 2-Chlorophenol, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene, 4-Chloro-3-Methylphenol, Acenaphthene, 2,4-Dinitrotoluene, Pyrene, 4-Nitrophenol and Pentachlorophenol for X104MS/S104MSD were above the QC limits. The recoveries of 1,2,4-Trichlorobenzene and 2,4-Dinitrotoluene for X104MS were above the QC limits. The recovery of Pentachlorophenol for X104MS was below the QC limit. The recovery of 1,2,4-Trichlorobenzene for X104MSD was below the QC limit. The recoveries of 4-Nitrophenol and Pentachlorophenol for X104MSD were below the 10% expanded limit. The positive results for 2-Chlorophenol, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene, 4-Chloro-3-Methylphenol, Acenaphthene, 2,4-Dinitrotoluene and Pyrene of the unspiked sample (X104) should be qualified as estimated (J) and non-detects (UJ). The positive results for 4-Nitrophenol and Pentachlorophenol of the unspiked sample (X104) should be qualified as estimated (J) and non-detects as unusable (R).

PEST: The spike recoveries and RPDs for the Pest/PCB fractions were within the QC limits; therefore, the results are acceptable.

## 7. FIELD BLANK AND FIELD DUPLICATE

None of the samples in this case were identified as field duplicates or field blanks.

## 8. INTERNAL STANDARDS

VOA: For the VOA fraction, the recoveries of 1,4-Difluorobenzene and Chlorobenzene-d<sub>5</sub> for X102 and

Reviewed By: Steffanie Tobin (ALION/ESAT)  
Date: January 27, 2003

X102RE were below the QC limits. The positive results for the following analytes of X102 and X102RE should be qualified as estimated (J) and non-detected (UJ).

1,1,1-Trichloroethane	1,1,2-Trihaloroethane	1,1,2,2-Tetrachloroethane
Carbon Tetrachloride	Benzene	Toluene
Bromodichloromethane	cis-1,3-Dichloropropene	Chlorobenzene
1,2-Dichloropropane	Bromoform	Ethylbenzene
trans-1,3-Dichloropropene	2-Hexanone	Styrene
Trichloroethylene	4-Methyl-2-Pentanone	Xylene (totals)
Dibromochloromethane	Tetrachloroethylene	

For the SVOA fraction, the recovery of Perylene-d<sub>12</sub> for X111 was below the QC limit. The positive results for the following analytes of X111 should be qualified as estimated (J) and non-detected (UJ).

Di-n-octyl-phthalate	Benzo(a)pyrene	Benzo(g,h,i)perylene	Dibenzo(a,h)anthracene
Benzo(b)fluoranthene	Indeno(1,2,3-cd)pyrene	Benzo(k)fluoranthene	

The internal standard retention times and area counts for the remaining VOA and SVOA samples were within the QC limits; therefore, the results are acceptable.

## 9. COMPOUND IDENTIFICATION

The target compounds and TICs for the VOA, SVOA and Pest/PCB fractions were properly identified.

## 10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The VOA, SVOA and Pest/PCB Target Compounds (TCLs) and Tentative Identified Compounds (TICs) were properly quantitated; therefore, the data are acceptable. The CRQLs were adjusted to reflect all sample dilutions and percent moisture.

For the Pest/PCB samples that have congested chromatograms, the positive results for the pesticide target compounds should be qualified as non-detected (U) when the reported concentration is less than 25% of the CRQL and the percent different of the two columns is greater than 25%. The Pest/PCB results, which have reported concentrations greater than 25% of the CRQL and have percent difference between two columns greater than 25% should be qualified as estimated (J).

Case Number : Sauget SAS  
Site Name: Sauget Area 2

SDG Number: 905601  
Laboratory: Illinois EPA

## 11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance.

The baseline for the Pest/PCB analysis indicated acceptable performance.

## 12. ADDITIONAL INFORMATION

The results of Chlorobenzene for the VOA sample X101 was quantitated outside the calibration range. The result of Bis(2-ethylhexyl)phthalate for SVOA sample X111; the results of Phenol and Butylbenzylphthalate for SVOA sample X113 were quantitated outside the calibration range. For the analytes that exceeded the calibration range in the original sample analysis; the results of the diluted analysis should be considered the sample's analyte concentration.

For the SVOA fraction, the result of 2-Chlorophenol for X101MS and X101MSD was quantitated outside the calibration range. No further dilution was analyzed since these samples were used for QC purposes only

For the Pest/PCB fraction, samples X103, X104, X107, X111 and X113 were re-analyzed at dilution due to matrix interference. The results of the diluted samples X103DL, X104DL, X107DL, X111DL and X113DL should be used for result validation.

**MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER  
VOLATILE TCL COMPOUNDS**

CASE/SAS #: SAUGET SAS SDG #: 905601

**SDG #:** 905601

SITE NAME: SAUGET AREA 2 CONTRACT LAB: ILLINOIS EPA

**CONTRACT LAB: ILLINOIS EPA**

**MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER  
VOLATILE TCL COMPOUNDS**  
**Page 2 of 2**

CASE/SAS #: SAUGET SASSDG #: 905601SITE NAME: SAUGET AREA 2CONTRACT LAB: ILLINOIS EPA

Instrument: HPMS5				Column: DB-624												
Heated Purge: (Y/N) N		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time tuning:		5/21/99	9:53		5/28/99	7:56		6/02/99	8:34							
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
1,1,2-Trichloroethane	.10															
Tetrachloroethene	.20															
2-Hexanone	.01															
Dibromochloromethane	.10															
Chlorobenzene	.50															
Ethylbenzene	.10															
Xylene (total)	.30															
Styrene	.30															
Bromoform	.10															
1,1,2,2-Tetrachloroethane	.30	.299			.324			.315								
1,2-Dichloroethane-d <sub>4</sub> (SURR)	.01															
Toluene-d <sub>8</sub> (SURR)	.01															
4-Bromofluorobenzene (SURR)	.20															
SAMPLES AFFECTED:		VBLKSM1			VBLKSM2											
		X101			X101DL											
		X113			X113 MS											
		X103			X113 MSD											
		X104														
		X111														
		X107														

%RSD ± 30% %D ± 25%

J/R = All positive results are estimated "J" and non-detected results are unusable "R"  
 Q = These flags should be applied to the analytes on the sample data sheets.  
 # = Minimum Relative Response Factor for Data Review Purposes

**MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER  
VOLATILE TCL COMPOUNDS**

CASE/SAS #: SAUGET SAS

SDG #: 905601

SITE NAME: SAUGET AREA 2

**CONTRACT LAB: ILLINOIS EPA**

MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER  
VOLATILE TCL COMPOUNDS  
Page 2 of 2

CASE/SAS #: SAUGET SASSDG #: 905601SITE NAME: SAUGET AREA 2CONTRACT LAB: ILLINOIS EPA

Instrument: HPMS5				Column: DB-624												
Heated Purge: (Y/N) N		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time tuning:		5/24/99 8:06		5/26/99 8:02		6/01/99 8:31										
TCL Analytes		RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
1,1,2-Trichloroethane	.10															
Tetrachloroethene	.20															
2-Hexanone	.01															
Dibromochloromethane	.10															
Chlorobenzene	.50															
Ethylbenzene	.10															
Xylene (total)	.30															
Styrene	.30															
Bromoform	.10															
1,1,2,2-Tetrachloroethane	.30															
1,2-Dichloroethane-d <sub>4</sub> (SURR)	.01															
Toluene-d <sub>8</sub> (SURR)	.01															
4-Bromofluorobenzene (SURR)	.20															
SAMPLES AFFECTED:				VBLKSL1			VBLKSL2									
				X102			X105									
				X109			X112									
				X110												
				X106												
				X102RE												
				X108												
				X109 MS												
				X109 MSD												

%RSD ± 30% %D ± 25%

J/R = All positive results are estimated "J" and non-detected results are unusable "R"  
 Q = These flags should be applied to the analytes on the sample data sheets.  
 # = Minimum Relative Response Factor for Data Review Purposes

## MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER SEMIVOLATILE TCL COMPOUNDS

Page 1 of 3

SDG #: 905601

CASE/SAS #: SAUGET SAS

SITE NAME: SAUGET AREA 2

CONTRACT LAB: ILLINOIS EPA

## MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER SEMIVOLATILE TCL COMPOUNDS

Page 2 of 3

SDG #: 905601

**CASE/SAS #:** SAUGET SAS

SITE NAME: SAUGET AREA 2

**CONTRACT LAB: ILLINOIS EPA**

MULTI-MEDIA, MULTI-CONCENTRATION CALIBRATION OUTLIER  
SEMIVOLATILE TCL COMPOUNDS

Page 3 of 3

SDG #: 905601

CASE/SAS #: SAUGET SAS

SITE NAME: SAUGET AREA 2

CONTRACT LAB: ILLINOIS EPA

Instrument: HPMS3				Column:												
		Initial Calibration			Continuing Cal			Continuing Cal			Continuing Cal			Continuing Cal		
Date/Time tuning:		6/16/99 7:56		6/16/99 14:58		6/17/99 8:51		6/18/99 9:31		6/22/99 9:43						
TCL Analytes	#	RRF	%RSD	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q	RRF	%D	Q
Benzo(k)fluoranthene	.70															
Benzo(a)pyrene	.70															
Indeno(1,2,3-cd)pyrene	.50															
Dibenz(a,h)anthracene	.40															
Benzo(g,h,i)perylene	.50															
1,3-Dichlorobenzene	.60															
1,4-Dichlorobenzene	.50															
1,2-Dichlorobenzene	.40															
1,2,4-Trichlorobenzene	.20															
<b>SURROGATES</b>																
Nitrobenzene-d5	.20															
2-Fluorobiphenyl	.70															
Terphenyl-d14	.50															
Phenol-d5	.80															
2-Fluorophenol	.60															
2,4,6-Tribromophenol	.01															
2-Chlorophenol-d4	.80															
1,2-Dichlorobenzene-d4	.40															
AFFECTED SAMPLES:					SBLKSL1		X105		X104		X104 MS					
					SBLKSL2		X112		X113DL		X104 MSD					
					SBLKSM		X101 MS		X103RE							
					GPCBLK1		X101 MSD		X107RE							
					GPCBLK2		X103		X111							
					X109		X107									
					X110		X111 DL									
					X108		X113									
					X102											
					X106											
					X101											

% RSD ± 30%, % D ± 25%

Q - These flags should be applied to the analytes on the sample data sheets.

# Minimum Relative Response Factor for Data Review Purposes

**CALIBRATION OUTLIER  
PESTICIDE/PCB TCL COMPOUNDS**

CASE/SAS #: SAUGET SASSDG #: 905601SITE NAME: SAUGET AREA 2CONTRACT LAB: ILLINOIS EPA

Instrument: HP11A				Column: DB-608								
	Initial Calibration		Continuing Cal	Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal		
Date\Time:	6/08/99	8:41	6/08/99	19:04	6/09/99	3:21	6/09/99	9:34	6/09/99	17:52	6/10/99	0:47
TCL Analytes	%RSD	Q	%D	Q	%D	Q	%D	Q	%D	Q	%D	Q
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC												
Heptachlor												
Aldrin												
Heptachlor epoxide												
Endosulfan I												
Dieldrin												
4,4'-DDE												
Endrin												
Endosulfan II												
4,4'-DDD												
Endosulfan sulfate												
4,4'-DDT												
Methoxychlor												
Endrin ketone												
Endrin aldehyde												
alpha-Chlordane												
gamma-Chlordane												
Toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Tetrachloro-m-xylene												
Decachlorobiphenyl												
AFFECTED SAMPLES:		PBLKS1	X106		X107DL		X111DL		X107			
		PBLKS2	X108		X113DL		X104		X113			
		X110 MS	X105		X103				X111			
		X110 MSD	X112		X103DL							
		X109										
		X110										
		X101										
		X102										

%RSD ≤ 20%, %D ± 25%

Q - These flags should be applied to the analytes on the sample data sheets.

## CALIBRATION OUTLIER PESTICIDE/PCB TCL COMPOUNDS

CASE/SAS #: SAUGET SAS

SDG #: 905601

SITE NAME: SAUGET AREA 2

**CONTRACT LAB: ILLINOIS EPA**

%RSD ≤ 20%, %D ± 25%

**Q - These flags should be applied to the analytes on the sample data sheets.**

**CALIBRATION OUTLIER  
PESTICIDE/PCB TCL COMPOUNDS**

CASE/SAS #: SAUGET SASSDG #: 905601SITE NAME: SAUGET AREA 2CONTRACT LAB: ILLINOIS EPA

Instrument: HP11B				Column: DB-1701								
	Initial Calibration		Continuing Cal	Continuing Cal		Continuing Cal		Continuing Cal		Continuing Cal		
Date\Time:	6/08/99	9:32	6/08/99	19:45	6/09/99	4:03	6/09/99	10:16	6/09/99	18:34	6/10/99	1:28
TCL Analytes	%RSD	Q	%D	Q	%D	Q	%D	Q	%D	Q	%D	Q
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC												
Heptachlor												
Aldrin												
Heptachlor epoxide												
Endosulfan I												
Dieldrin												
4,4'-DDE												
Endrin												
Endosulfan II												
4,4'-DDD												
Endosulfan sulfate												
4,4'-DDT												
Methoxychlor												
Endrin ketone												
Endrin aldehyde												
alpha-Chlordane												
gamma-Chlordane												
Toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
Tetrachloro-m-xylene												
Decachlorobiphenyl												
AFFECTED SAMPLES:		PBLKS1	X106		X107DL		X111DL		X107			
		PBLKS2	X108		X113DL		X104		X113			
		X110 MS	X105		X103				X111			
		X110 MSD	X112		X103DL							
		X109										
		X110										
		X101										
		X102										

%RSD ≤ 20%, %D ± 25%

Q - These flags should be applied to the analytes on the sample data sheets.

**CALIBRATION OUTLIER  
PESTICIDE/PCB TCL COMPOUNDS**

CASE/SAS #: SAUGET SASSDG #: 905601SITE NAME: SAUGET AREA 2CONTRACT LAB: ILLINOIS EPA

Instrument: HP11B				Column: DB-1701							
	Initial Calibration	Continuing Cal		Continuing Cal	Continuing Cal	Continuing Cal	Continuing Cal	Continuing Cal	Continuing Cal	Continuing Cal	Continuing Cal
Date\Time:	6/08/99 9:23	6/10/99 10:13		6/10/99 15:04							
TCL Analytes	%RSD	Q	%D	Q	%D	Q	%D	Q	%D	Q	%D
alpha-BHC											
beta-BHC											
delta-BHC											
gamma-BHC											
Heptachlor											
Aldrin											
Heptachlor epoxide											
Endosulfan I											
Dieldrin											
4,4'-DDE											
Endrin											
Endosulfan II											
4,4'-DDD											
Endosulfan sulfate											
4,4'-DDT											
Methoxychlor											
Endrin ketone											
Endrin aldehyde											
alpha-Chlordane											
gamma-Chlordane											
Toxaphene											
Aroclor-1016											
Aroclor-1221											
Aroclor-1232											
Aroclor-1242											
Aroclor-1248											
Aroclor-1254											
Aroclor-1260											
Tetrachloro-m-xylene											
Decachlorobiphenyl											
AFFECTED SAMPLES:		XI04DL									

%RSD ≤ 20%, %D ± 25%

Q - These flags should be applied to the analytes on the sample data sheets.

## ORGANIC DATA QUALIFIER DEFINITIONS

For the purpose of defining the flagging nomenclature utilized in this document, the following code letters and associated definitions are provided:

**VALUE**-if the results is a value greater than or equal to the Contract Required Quantitation Limit (CRQL).

- U** Indicates that the compound was analyzed for, but not detected. The sample quantitation limit corrected for dilution and percent moisture is reported.
- J** Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of a compound but the result is less than the sample quantitation limit, but greater than zero. The flag is also used to indicate a reported result having an associated QC problem.
- R** Indicates the data are unusable. (Note: The analyte may or may not be present.)
- N** Indicates presumptive evidence of a compound. This flag is only used for a tentatively identified compound, where the identification is based on a mass spectral library search.
- P** Indicates a pesticide/Aroclor target analyte when there is greater than 25% difference for the detected concentrations between the two GC columns. The lower of the two results is reported.
- C** Indicates pesticide results that have been confirmed by GC/MS.
- B** Indicates the analyte is detected in the associated blank as well as the sample.
- E** Indicates compounds whose concentrations exceed the calibration range of the instrument.
- D** Indicates an identified compound in an analysis has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analysis.
- A** Indicates tentatively identified compounds that are suspected to be aldol condensation products.
- G** Indicates the TCLP Matrix Spike Recovery was greater than the upper limit of the analytical method.
- L** Indicates the TCLP Matrix Spike Recovery was less than the lower limit of the analytical method.
- T** Indicates the analyte is found in the associated TCLP extraction blank as well as in the sample.
- X, Y, Z** are reserved for laboratory defined flags.

**SDG NARRATIVE**

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**  
825 N. RUTLEDGE  
SPRINGFIELD, ILLINOIS 62702  
(217)-782-9873

Case:Sauget area 2

<u>Sample Identification</u>		<u>IEPA Sample Number</u>
X101	(1)	D905601
X101DL	(1)	D905601
X101	(2,3)	D905738
X102	(1)	D905602
X102RE	(1)	D905602
X102	(2,3)	D905739
X103		D905817
X103	(3)	D905817D
X103DL	(3)	D905817DD
X103RE	(2)	D905817
X104		D905819
X104	(3)	905819DDD
X104DL	(3)	05819DDDD
X105		D905949
X106	(1)	D905736
X106	(2,3)	D905740
X107		D905815
X107DL	(3)	D905815D
X107RE	(2)	D905815
X108	(1)	D905603
X108	(2,3)	D905741
X109	(1)	D905735
X109	(2,3)	D905811
X110	(1)	D905737
X110	(2,3)	D905812
X111		D905820
X111DL	(2)	D905820
X111DL	(3)	D905820D
X112		D905950
X113	(1)	D905742
X113	(2,3)	D905816
X113DL	(2)	D905816
X113DL	(3)	D905816D
VBLKSL1	(1)	VBLK052699

**000156**

VBLKSL2 (1)	VBLK060199
VBLKSM1 (1)	VBLKSM052899
VBLKSM2 (1)	VBLKSM060299
SBLKSL1 (2)	D905802
SBLKSL2 (2)	D906032
SBLKSM (2)	D906037
PBLKS1 (3)	D905907
PBLKS2 (3)	D906035
GPCBLK1 (2)	GPCBLANK1
GPCBLK2 (2)	GPCBLANK2
X109MS (1)	D905735MS
X109MSD (1)	D905735MSD
X113MS (1)	D905742MS
X113MSD (1)	D905742MSD
X101MS (2)	D905801
X101MSD (2)	D905801R
X104MS (2)	D906036
X104MSD (2)	D906036R
X110MS (3)	D905906
X110MSD (3)	D905906R

- (1) Volatile sample
- (2) Semivolatile sample
- (3) Pesticide sample

Samples X101,102,X106,X108,X109,X110, and X113 have one EPA sample number for the volatile data and a separate EPA sample number for the semi-volatile and pesticide data.

This sub-package of data contains only soil data. The water samples are contained in a separate sub-package. Photocopies of four chain of custody forms have been included in this sub-package. The original chain of custody forms were included in the water sub-package.

### VOLATILE FRACTION

#### X104

The sample was initially run at a dilution because of a highly colored extract.

The spectral disagreement for the following compounds is more than the 20% allowed when compared to the standard spectrum:

X103

Benzene coelutes with a TIC.

X104

Tetrachloroethane coelutes with 2-Hexanone in the standard.

o-Xylene coelutes with Styrene in the standard.

X105

Methylene chloride coelutes with a TIC.

X107

o-Xylene coelutes with Styrene in the standard.

X111

o-Xylene coelutes with Styrene in the standard.

X113

o-Xylene coelutes with Styrene in the standard.

#### SEMIVOLATILE FRACTION

On Form V from June 22nd, ion 68 is listed as 2.0% of ion 69. The criterion for this ion is that it be less than 2.0% of ion 69. Ion 68 was 1.96% of ion 69 in the DFTPP run and this number was rounded to 2.0% on the form.

X103

This sample was initially run at a dilution because of a highly colored extract.

X104

This sample was initially run at a dilution because of a highly colored extract.

This also applies to the matrix spikes extracted from this sample.

X107

This sample was initially run at a dilution because of a highly colored extract.

X111

Perylene-d12 failed the internal standard recovery criteria and the sample also needed a dilution. The sample was rerun and Perylene-d12 again failed. The rerun was not included here because only two runs per sample are to be submitted.

X113

Three surrogates failed recovery criteria and the sample also needed a dilution.

The sample was rerun and the three surrogates again failed. The rerun was not included here because only two runs per sample are to be submitted.

The spectral disagreement for the following compounds is more than the 20% allowed when compared to the standard spectrum:

X101

2-Chlorophenol coelutes with a TIC.

X103

1,4-Dichlorobenzene coelutes with a TIC.

X103RE

1,4-Dichlorobenzene coelutes with a TIC.

X104

2-Chlorophenol coelutes with a TIC.

1,4-Dichlorobenzene coelutes with a TIC.

1,2-Dichlorobenzene coelutes with a TIC.

2,4-Dichlorophenol coelutes with a TIC.

Naphthalene coelutes with a TIC.

4-Chloroaniline coelutes with a TIC.

2,4,6-Trichlorophenol coelutes with a TIC.

2-Nitroaniline coelutes with a TIC.

Bis(2-Ethylhexyl)Phthalate coelutes with a TIC.

X105

Bis(2-Ethylhexyl)Phthalate coelutes with a TIC.

X111

1,,4-Dichlorobenzene coelutes with a TIC.

1,2-Dichlorobenzene coelutes with a TIC.

Acenaphthene coelutes with a TIC.

Dibenzofuran coelutes with a TIC.

Diethylphthalate coelutes with a TIC.

Fluorene coelutes with a TIC.

Pentachlorophenol coelutes with a TIC.

Phenanthrone coelutes with a TIC.

Anthracene coelutes with a TIC.

Carbazole coelutes with a TIC.

Di-N-Butylphthalate coelutes with a TIC.

Butylbenzylphthalate coelutes with a TIC.

Benzo(a)Anthracene coelutes with a TIC.

Benzo(k)Fluoranthene coelutes with a TIC.

X111DL

1,4-Dichlorobenzene coelutes with a TIC.  
2,4,5-Trichlorophenol coelutes with a TIC.  
Acenaphthene coelutes with a TIC.  
Diethylphthalate coelutes with a TIC.  
Fluorene coelutes with a TIC.  
N-Nitrosodiphenylamine coelutes with a TIC.  
Pentachlorophenol coelutes with a TIC.  
Phenanthrone coelutes with a TIC.  
Anthracene coelutes with a TIC.  
Di-N-Butylphthalate coelutes with a TIC.  
Pyrene coelutes with a TIC.  
Benzo(a)Anthracene coelutes with a TIC.  
Benzo(b)Fluoranthene coelutes with a TIC.  
Benzo(k)Fluoranthene coelutes with a TIC.

X112

1,4-Dichlorobenzene coelutes with a TIC.  
Benzo(a)Anthracene coelutes with 3,3'-Dichlorobenzidine in the standard.

X113DL

1,4-Dichlorobenzene coelutes with a TIC.

PESTICIDE FRACTION

The florisil cartridge check data is in a separate sub-package following the Pesticide Standards Data section. All GPC data is together with the GPC UV trace in its own sub-package following the florisil cartridge check sub-package.

Only one-half of the specified amount of matrix spiking solution was added to the GPC check mixture. Form 9B reflects this change in the amount added to the GPC column.

Due to the composition of sample X104, only 2.20 grams were used in the extraction process.

The Aroclor analyte peaks exceeded the detector's maximum range for samples X103, X104, X107, X111, and X113. Therefore, values listed on Form 1 and Form 10 for these samples do not represent good quantitative results. The quantitative results for the dilutions of these samples (X103DL, X104DL, X107DL, X111DL, and X113DL) should be accurate as listed on Form 1 and Form 10.

The data and results submitted for sample X104 were acquired from the 1:1000 and 1:10000 dilutions of this sample. For X103, the data and results are based on 1:10 and 1:100 dilutions. Samples X111 and X113 required 1:10 dilutions to be analyzed along with the neat samples. Sample X107 required a 1:10 dilution before it was loaded onto the GPC and then the extract was also diluted 1:10.

There were some low surrogate recoveries for a few samples. The recovery limits are advisory according to the statement of work. There were also matrix effects that interfered with one or more of the surrogate recovery calculations for samples X105, X107, X111, and X113.

Celeste Crowley  
Celeste Crowley  
Pesticide Supervisor

6/30/98  
Date

Ricky L. Nimmens  
Ricky Nimmens  
GC/MS Supervisor

6/30/98  
Date

000161

# Illinois Environmental Protection Agency Chain of Custody

Preservation Codes		Container Description		Fund	LPO#	Total	Cooler Initially Sealed By	Date Initially Sealed
1. Name		Soil	Aqueous	PR 46 000	1631210001	St. Clair	<i>MJG</i>	5-21-99
2. VOA - 1001	VOC - 2 oz glass (2)	VOC - 40 mL glass (2)						
3. VOA - 10013	SVOC - 8 oz glass (1)	SVOC, Pestic/PCB - 60 oz amber						
4. Pesticide - NaOH	Pest/PCB - 8 oz glass (1)	glass (1)*						
5. Other	Inorganics - 16 oz glass (1)	Inorganics - 1 qt plastic (1)						
6. Other	* duplicate 1 out of 10							

Lab Sample No.	Parameter Group		Collection Information						Special Notations
	Field	Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials		
905601	X	X101	Soil	4	5/24/99	11:00	B.T.		
	XX	X101	Soil	1	5/24/99	11:00		EJD	
	XX	X101	Soil	1	5/24/99	11:00		EJD	
905602	X	X102	Soil	3	5/24/99	1445	B.T.		
	XXX	X102	Soil	1	5/24/99			EJD	
	X	X103	Soil	3	5/24/99		B.T.	Sample not sealed in cooler 2. CAB 5/25/99	
905603	XX	X103	Soil	1				EJD	
	X	X108	Soil	3	5/24/99	1715	B.T.		
								FULL QA/QC Data Package Requested	

I certify that I received the sample shipping container with the shipping container sealed and intact.

Sealer I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Opened by:	Seal No.:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
<i>Edward J. Pisces</i>	149	5/24/99	10:30	YN	<i>Edward J. Pisces</i>	150	5/24/99	18:30

I certify that I received the cooler containing the above samples with the shipping container intact.

Received for Lab by: Seal No.: Date: Intact: Sample Courier:

<i>Edward J. Pisces</i>	150	5/25/99 9:40	YN	Turnaround Time Requested:
Lab Commented:	Rec'd X101, X102, & X108 in this cooler. No X103 in cooler. Collected to be contacted. CAB 5/25/99			Samplers: <i>B. Taylor</i>
Supervisor Approved:				

# Illinois Environmental Protection Agency Chain of Custody

Preservative Codes		Container Description		Pack	Location	Cooler, Insulated, Sealed By	Date Initially Sealed
1. Name		Soil	Aqueous	PR 46 000	1631210001	St. Clair	<i>[Signature]</i> 5-21-99
2. VOC - HCl	VOC - 2 oz glass (2)	VOC - 40 ml glass (2)		Sealant	Project Manager	Phone Number	Federal Coop/State
3. Metals - HNO3	SVOC - 8 oz glass (1)	SVOC, Pesticide - 80 oz amber					
4. Cyanide - NaOH	Pesticide - 8 oz glass (1)	glass (1)					
5. Other	Inorganics - 16 oz glass (1)	Inorganics - 1 qt plastic (1)					
6. Other	* duplicate 1 out of 10						

Job Sample No.	Parameter Group			Field Sample Number	Matrix	No of Bottles	Collection Information		Sampler's Initials	Special Notations
	VOC	BVOC	PEST				Date Collected	Time Collected (24 hr clock)		
905730	X			G-112	GW	2	5/25/99	1045	B.T.	
905731	X	X	X	G-112	GW	1	5/25/99	1045	B.T.	
	X			G-113	GW	2		1145	B.T.	
	X	X	X	G-113	GW	1		1145	B.T.	
905732	X			G-114	GW	2		1330	B.T.	
	X	X	X	G-114	GW	1		1330	B.T.	
905733	X			G-115	GW	2		1330	B.T.	
	X	X	X	G-115	GW	1	↓	1330	B.T.	
905734	X	Blanks		TB	GW	2	5/25/99	12:00	BJ	1rip Blanks
905735	X			X109	S-11	3	5/25/99		B.T.	
	X			X110	S-11	3	5/25/99		B.T.	60P
	X			X107	S-11	3	5/25/99		B.T.	60P

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Opened by:	Seal No:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
<i>Edward J. Resnick</i>	147	5/24/99	10:30	(Y)N	<i>Edward J. Resnick</i>	161	5/25/99	1:30

Received for Lab by:	Seal No:	Date:	Time:	Intact	Sample Courier:	Turnaround Time Requested:
<i>Michelle L. Homan / M. L. Homan</i>	00001161	5/26	10:00	(Y)N	Fed Ex	

Illinois Environmental Protection Agency Chain of Custody

I certify that I received the sample shipping container with the shipping container sealed and intact.

Sealer I certify that the samples listed above were collected in my presence and sealed by me

Cooler Opened by:	Seal No.:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
<i>Edward J. Russell</i>	171	5/24/99	10:30	(Y)	<i>Edward J. Russell</i>	161	5/25/99	18:30
				(Y)				

Received for Lab by: Bradley Date: 05/26/00 Time: 10:00 AM  
Sample Courier: Fed Ex  
Comments: Normal  
Turnaround Time Requested:  
Samplers: Brad Taylor

# Illinois Environmental Protection Agency Chain of Custody

Preservative Codes		Container Description		Funct.	Loca	Container Initially Sealed By	Date Initially Sealed
1. None		Soil	Aqueous				
2. VOA - HCl	VOC - 2 oz glass (2)	VOC - 40 mL glass (2)	PR 46 000	1631210001	St. Clair		
3. Metals - HNO3	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 80 oz amber	Second	Bottle	Project Manager	Phone Number	Master Code / Seal #
4. Cyanide - NaOH	Pest/PCB - 8 oz glass (1)	glass (1)*					
5. Other	Inorganics - 16 oz glass (1)	Inorganics - 1 qt plastic (1)		Sauget area 2	Ken Corkill	217/524-1664	
6. Other		* duplicate 1 out of 10					

Lab Sample No.	Parameter Group				Collection Information						
	Cof	ASB	Pest	PCB	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations
905815	X				X107	Soil	3	5/26/99	950	B.T.	High Concentration
	X	X	X		X107	Soil	1	5/26/99	950	B.T.	High Concentration
905816	X	X	X		X113	Soil	1	5/26/99	1730	B.T.	High Concentration
905817	X				X103	Soil	3	5/26/99	1200	B.T.	High Concentration
	X	X	X		X103	Soil	1	5/26/99	1200	B.T.	High Concentration
905818	X				6104	GW	2	5/26/99	1300	B.T.	High Concentration
	X	X	X		6104	GW	1	5/26/99	1300	B.T.	High Concentration
905819	X				X104	Soil	3	5/26/99	1430	B.T.	High Concentration
	X	X	X		X104	Soil	1	5/26/99	1430	B.T.	High Concentration
905820	X				6116	GW	2	5/26/99	1715	B.T.	905874-4 tanks
	X				X111	Soil	3	5/26/99	1715	B.T.	
	X	X	X		X111	Soil	1	5/26/99	1715	B.T.	

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Opened by:	Seal No.:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
Edward J. Pusack	—	5/24/99	1030	Y-N	Edward J. Pusack	167	5/26/99	1900

Received by Lab No.:	Sealed by:	Date:	Time:	Intact:	Sample Courier:
Mitchell Taylor	Y	5/27/99	9:25	Y-N	Turnaround Time Requested:
Lab Comments:					Samplers: Brad Taylor
Supervisor Review:					

000166

905874-1

# Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description		From:	To/At:	Location:	Cooler Initially Sealed By:	Date Initially Sealed
1. None	Soil	Aqueous					
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 ml. glass (2)	PR 46 000	1631210001	St. Clair	<i>M. J. B.</i>	5-21-99
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 80 oz amber	Section:	Site Name:	Project Manager:		
4. Yanda - NaOH	Pest/PCB - 8 oz. glass (1)	glass (1)*		Sauget area 2	Ken Corkill		
5. Other	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)					
6. Other	* duplicate 1 out of 10						

Item Sample No	Parameter Group				Collection Information						
	VOC	Pest	PCB	BaB	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations
905810	X				G108	GW	2	5/25/99	1515	B.T.	
	X	X	X		G108	GW	1	5/25/99	1515	B.T.	
	X				G109	GW	2	5/25/99			BSP
	X	X	X		G109	GW	1	5/25/99			BSP
	X				G110	GW	2	5/25/99			BSP
	X	X	X		G110	GW	1	5/25/99			BSP
905811	X	X	X		X109	soil	1	5/25/99	1330	B.T.	
905812	X	X	X		X110	soil	1	5/25/99	1330	B.T.	
905813	X				G110	GW	2	5/26/99	950	B.T.	High Concentration
	X	X	X		G110	GW	1	5/26/99	950	B.T.	High Concentration
905814	X				FB	GW	2	5/26/99	1100	B.T.	
	X	X	X		FB	GW	1	5/26/99	1100	B.T.	

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Opened by:	Seal No.:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
<i>Edward J. Present</i>	163	5/26/99	1030	Y-N	<i>Edward J. Present</i>	169	5/26/99	1900

Received for lab by:	Specimen Number:	Date:	Time:	Intact	Sample Courier:
<i>Michelle Thompson</i>	<i>Michelle Thompson</i> 0000169	5/27/00	9:25	Y-N	Fed Ex
<i>Brad Taylor</i>					Tumaround Time Requested: <i>Brad Taylor</i>

# Illinois Environmental Protection Agency Chain of Custody

Preservative Codes		Container Description		Pond:	Site:	Location:	Cooler Initially Sealed By:	Date Initial Seal:
1. None		Soil	Aqueous	PR 46 000	1831210001	St. Clair	<i>MJ</i>	5-21-99
2. VIAL - HCl	VOC - 2 oz glass (2)	VOC - 40 mL glass (2)						
3. Metals - HNO3	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 80 oz amber						
4. Cyanide - NaOH	Pest/PCB - 8 oz glass (1)	glass (1)*						
5. Other	Inorganics - 16 oz glass (1)	Inorganics - 1 qt plastic (1)						
6. Other	* duplicate 1 out of 10							

Lab Sample No.	Parameter Group				Collection Information						
	SOA	Pest	AS	BW/B	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations
905945	X	X	X		G-116	GW	1	5/26/99	1715	B.T.	
905946	X				G-106	GW	2	5/27/99	0930	B.T.	
905947	X	X	X		G-106	GW	1	5/27/99	0930	B.T.	
905948	X				G-107	GW	2	5/27/99	1045	B.T.	
905949	X				G-117	GW	1	5/27/99	1045	B.T.	
905950	X				X105	Soil	3	5/27/99	1045	B.T.	
		X	X	X	X105	Soil	1	5/27/99	1045	B.T.	
		X	X	X	X102	Soil	3	5/27/99	1245	B.T.	
		X	X	X	X112	Soil	1	5/27/99	1245	B.T.	

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Opened by:	Seal No.:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
<i>Edward J. Powers</i>	149	5/24/99	1030	Y-N	<i>Edward J. Powers</i>	144	5/27/99	1700

Received by:	Seal No.:	Date:	Time:	Intact	Sample Courier:
<i>Edward J. Powers</i>	149	5/24/99	1030	Y-N	Turnaround Time Requested:
					<i>Brent Taylor</i>

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 #	OTHER	TOT OUT
01	VBLKSL1	102	101	104		0
02	X102	99	105	84		0
03	X109	108	103	106		0
04	X110	108	101	106		0
05	X106	108	100	106		0
06	X102RE	102	113	92		0
07	X108	108	108	102		0
08	X109MS	106	103	108		0
09	X109MSD	107	104	108		0
10	VBLKSL2	99	98	99		0
11	X105	97	104	91		0
12	X112	97	113	79		0
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4	(70-121)
SMC2 (TOL) = Toluene-d8	(84-138)
SMC3 = 4-Bromofluorobenzene	(59-113)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000106

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 #	OTHER	TOT OUT
01	VBLKSM1	94	97	94		0
02	X101	87	99	98		0
03	X113	84	90	87		0
04	X103	82	89	84		0
05	X104	87	102	102		0
06	X111	81	86	82		0
07	X107	86	88	86		0
08	VBLKSM2	94	94	92		0
09	X101DL	92	102	103		0
10	X113MS	94	100	94		0
11	X113MSD	90	94	90		0
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4	(70-121)
SMC2 (TOL) = Toluene-d8	(84-138)
SMC3 = 4-Bromofluorobenzene	(59-113)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B  
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: 1631210001  
 Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601  
 Matrix Spike - EPA Sample No.: X109 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	59	0	61	103	59-172
Trichloroethene	59	0	58	98	62-137
Benzene	59	0	60	102	66-142
Toluene	59	0	56	95	59-139
Chlorobenzene	59	4	53	83	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMTS RPD	REC.
1,1-Dichloroethene	64	66	103	0	22	59-172
Trichloroethene	64	62	97	1	24	62-137
Benzene	64	64	100	2	21	66-142
Toluene	64	60	94	1	21	59-139
Chlorobenzene	64	56	81	2	21	60-133

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: \_\_\_\_\_

3B  
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix Spike - EPA Sample No.: X113

Level: (low/med) MED

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	7700	0	9800	127	59-172
Trichloroethene	7700	0	9600	125	62-137
Benzene	7700	370	11000	138	66-142
Toluene	7700	240	10000	127	59-139
Chlorobenzene	7700	400	9000	112	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	MSD % RPD #	QC RPD	LIMITS REC.
1,1-Dichloroethene	6800	8400	124	2	22	59-172
Trichloroethene	6800	8000	118	6	24	62-137
Benzene	6800	9500	134	3	21	66-142
Toluene	6800	8500	121	5	21	59-139
Chlorobenzene	6800	7600	106	6	21	60-133

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

---

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL1

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Lab File ID: E0526C03 Lab Sample ID: VBLK052699

Date Analyzed: 05/26/99 Time Analyzed: 0926

GC Column: DB-624, 60MID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X102	D905602	E0526C06	1123
02	X109	D905735	E0526C07	1203
03	X110	D905737	E0526C08	1237
04	X106	D905736	E0526C09	1311
05	X102RE	D905602RE	E0526C10	1351
06	X108	D905603	E0526C11	1425
07	X109MS	D905735MS	E0526C12	1505
08	X109MSD	D905735MSD	E0526C13	1539
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

---



---

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL2

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Lab File ID: E0601C03 Lab Sample ID: VBLK060199

Date Analyzed: 06/01/99 Time Analyzed: 0951

GC Column: DB-624, 60MID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HPMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 X105	D905949	E0601C04	1103
02 X112	D905950	E0601C05	1146
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

COMMENTS:

---



---

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Lab File ID: E0528C04

Lab Sample ID: VBLKSM0528

Date Analyzed: 05/28/99

Time Analyzed: 0948

GC Column: DB-624, 60MID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: HPMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X101	D905601	E0528C05	1022
02	X113	D905742	E0528C06	1105
03	X103	D905817	E0528C07	1142
04	X104	D905819	E0528C08	1219
05	X111	D905820	E0528C10	1327
06	X107	D905815	E0528C11	1401
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM2

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Lab File ID: E0602C08

Lab Sample ID: VBLKSM060299

Date Analyzed: 06/02/99

Time Analyzed: 1320

GC Column: DB-624, 60MID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: HPMS5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	X101DL	D905601DL	E0602C09	1356
02	X113MS	D905742MS	E0602C10	1443
03	X113MSD	D905742MSD	E0602C11	1528
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

---

---

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905601

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: E0528C05

Level: (low/med) MED

Date Received: 05/25/99

% Moisture: not dec. 27

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	1400	U
74-83-9-----Bromomethane	1400	U
75-01-4-----Vinyl chloride	1400	U
75-00-3-----Chloroethane	1400	U
75-09-2-----Methylene chloride	1400	U
67-64-1-----Acetone	1400	U
75-15-0-----Carbon disulfide	1400	U
75-35-4-----1,1-Dichloroethene	1400	U
75-34-3-----1,1-Dichloroethane	1400	U
54-59-0-----1,2-Dichloroethene (total)	1400	U
67-66-3-----Chloroform	1400	U
107-06-2-----1,2-Dichloroethane	1400	U
78-93-3-----2-Butanone	1400	U
71-55-6-----1,1,1-Trichloroethane	1400	U
56-23-5-----Carbon tetrachloride	1400	U
75-27-4-----Bromodichloromethane	1400	U
78-87-5-----1,2-Dichloropropane	1400	U
10061-01-5-----cis-1,3-Dichloropropene	1400	U
79-01-6-----Trichloroethene	1400	U
124-48-1-----Dibromochloromethane	1400	U
79-00-5-----1,1,2-Trichloroethane	1400	U
71-43-2-----Benzene	1400	U
10061-02-6-----trans-1,3-Dichloropropene	1400	U
75-25-2-----Bromoform	1400	U
108-10-1-----4-Methyl-2-pentanone	1400	U
591-78-6-----2-Hexanone	1400	U
127-18-4-----Tetrachloroethene	1400	U
79-34-5-----1,1,2,2-Tetrachloroethane	1400	U
108-88-3-----Toluene	1400	U
108-90-7-----Chlorobenzene	97000	E
100-41-4-----Ethylbenzene	1400	U
100-42-5-----Styrene	1400	U
1330-20-7-----Xylene (total)	1400	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905601

Sample wt/vol: 4.8 (g/mL) G Lab File ID: E0528C05

Level: (low/med) MED Date Received: 05/25/99

% Moisture: not dec. 27 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.38	2300	JB u
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101DL

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905601DL

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: E0602C09

Level: (low/med) MED

Date Received: 05/25/99

% Moisture: not dec. 27

Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 10 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	1400	U	
74-83-9-----Bromomethane	1400	U	
75-01-4-----Vinyl chloride	1400	U	
75-00-3-----Chloroethane	1400	U	
75-09-2-----Methylene chloride	2500	DB4	ST 110 b3
67-64-1-----Acetone	1400	U	
75-15-0-----Carbon disulfide	1400	U	
75-35-4-----1,1-Dichloroethene	1400	U	
75-34-3-----1,1-Dichloroethane	1400	U	
54-59-0-----1,2-Dichloroethene (total)	1400	U	
67-66-3-----Chloroform	1400	U	
107-06-2-----1,2-Dichloroethane	1400	U	
78-93-3-----2-Butanone	1400	U	
71-55-6-----1,1,1-Trichloroethane	1400	U	
56-23-5-----Carbon tetrachloride	1400	U	
75-27-4-----Bromodichloromethane	1400	U	
78-87-5-----1,2-Dichloropropane	1400	U	
10061-01-5-----cis-1,3-Dichloropropene	1400	U	
79-01-6-----Trichloroethene	1400	U	
124-48-1-----Dibromochloromethane	1400	U	
79-00-5-----1,1,2-Trichloroethane	1400	U	
71-43-2-----Benzene	1400	U	
10061-02-6-----trans-1,3-Dichloropropene	1400	U	
75-25-2-----Bromoform	1400	U	
108-10-1-----4-Methyl-2-pentanone	1400	U	
591-78-6-----2-Hexanone	1400	U	
127-18-4-----Tetrachloroethene	1400	U	
79-34-5-----1,1,2,2-Tetrachloroethane	1400	U	
108-88-3-----Toluene	1400	U	
108-90-7-----Chlorobenzene	260000	D	
100-41-4-----Ethylbenzene	1400	U	
100-42-5-----Styrene	1400	U	
1330-20-7-----Xylene (total)	1400	U	

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101DL

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905601DL

Sample wt/vol: 4.8 (g/mL) G Lab File ID: E0602C09

Level: (low/med) MED Date Received: 05/25/99

% Moisture: not dec. 27 Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 10 (uL)

CONCENTRATION UNITS:  
 Number TICs found: 0 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905602

Sample wt/vol: 3.5 (g/mL) G

Lab File ID: E0526C06

Level: (low/med) LOW

Date Received: 05/25/99

% Moisture: not dec. 35

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	22	U	
74-83-9-----Bromomethane	22	U	
75-01-4-----Vinyl chloride	22	U	
75-00-3-----Chloroethane	22	U	
75-09-2-----Methylene chloride	22	U	
67-64-1-----Acetone	22	JB U	ST 110 63
75-15-0-----Carbon disulfide	22	U	
75-35-4-----1,1-Dichloroethene	22	U	
75-34-3-----1,1-Dichloroethane	22	U	
54-59-0-----1,2-Dichloroethene (total)	22	U	
67-66-3-----Chloroform	22	U	
107-06-2-----1,2-Dichloroethane	22	U	
78-93-3-----2-Butanone	22	U	
71-55-6-----1,1,1-Trichloroethane	22	U	
56-23-5-----Carbon tetrachloride	22	U	
75-27-4-----Bromodichloromethane	22	U	
78-87-5-----1,2-Dichloropropane	22	U	
10061-01-5-----cis-1,3-Dichloropropene	22	U	
79-01-6-----Trichloroethene	22	U	
124-48-1-----Dibromochloromethane	22	U	
79-00-5-----1,1,2-Trichloroethane	22	U	
71-43-2-----Benzene	22	U	
10061-02-6-----trans-1,3-Dichloropropene	22	U	
75-25-2-----Bromoform	22	U	
108-10-1-----4-Methyl-2-pentanone	22	U	
591-78-6-----2-Hexanone	22	U	
127-18-4-----Tetrachloroethene	22	U	
79-34-5-----1,1,2,2-Tetrachloroethane	22	U	
108-88-3-----Toluene	22	U	
108-90-7-----Chlorobenzene	21	J	
100-41-4-----Ethylbenzene	22	U	
100-42-5-----Styrene	22	U	
1330-20-7-----Xylene (total)	22	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905602

Sample wt/vol: 3.5 (g/mL) G Lab File ID: E0526C06

Level: (low/med) LOW Date Received: 05/25/99

% Moisture: not dec. 35 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 121-43-7	BORIC ACID, TRIMETHYL ESTER	6.43	17	JN
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102RE

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905602RE

Sample wt/vol: 3.7 (g/mL) G

Lab File ID: E0526C10

Level: (low/med) LOW

Date Received: 05/25/99

% Moisture: not dec. 35

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	21	U
74-83-9-----	Bromomethane	21	U
75-01-4-----	Vinyl chloride	21	U
75-00-3-----	Chloroethane	21	U
75-09-2-----	Methylene chloride	21	U
67-64-1-----	Acetone	21	AB4
75-15-0-----	Carbon disulfide	21	U
75-35-4-----	1,1-Dichloroethene	21	U
75-34-3-----	1,1-Dichloroethane	21	U
54-59-0-----	1,2-Dichloroethene (total)	21	U
67-66-3-----	Chloroform	21	U
107-06-2-----	1,2-Dichloroethane	21	U
78-93-3-----	2-Butanone	21	U
71-55-6-----	1,1,1-Trichloroethane	21	U
56-23-5-----	Carbon tetrachloride	21	U
75-27-4-----	Bromodichloromethane	21	U
78-87-5-----	1,2-Dichloropropane	21	U
10061-01-5-----	cis-1,3-Dichloropropene	21	U
79-01-6-----	Trichloroethene	21	U
124-48-1-----	Dibromochloromethane	21	U
79-00-5-----	1,1,2-Trichloroethane	21	U
71-43-2-----	Benzene	21	U
10061-02-6-----	trans-1,3-Dichloropropene	21	U
75-25-2-----	Bromoform	21	U
108-10-1-----	4-Methyl-2-pentanone	21	U
591-78-6-----	2-Hexanone	21	U
127-18-4-----	Tetrachloroethene	21	U
79-34-5-----	1,1,2,2-Tetrachloroethane	21	U
108-88-3-----	Toluene	21	U
108-90-7-----	Chlorobenzene	21	U
100-41-4-----	Ethylbenzene	21	U
100-42-5-----	Styrene	21	U
1330-20-7-----	Xylene (total)	21	U

ST  
110103

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102RE

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905602RE

Sample wt/vol: 3.7 (g/mL) G Lab File ID: E0526C10

Level: (low/med) LOW Date Received: 05/25/99

% Moisture: not dec. 35 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 121-43-7	BORIC ACID, TRIMETHYL ESTER	6.42	11	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905817

Sample wt/vol: 4.3 (g/mL) G

Lab File ID: E0528C07

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: not dec. 18

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1400	U
74-83-9-----	Bromomethane	1400	U
75-01-4-----	Vinyl chloride	1400	U
75-00-3-----	Chloroethane	1400	U
75-09-2-----	Methylene chloride	1400	U
67-64-1-----	Acetone	1400	U
75-15-0-----	Carbon disulfide	1400	U
75-35-4-----	1,1-Dichloroethene	1400	U
75-34-3-----	1,1-Dichloroethane	1400	U
54-59-0-----	1,2-Dichloroethene (total)	1400	U
67-66-3-----	Chloroform	1400	U
107-06-2-----	1,2-Dichloroethane	1400	U
78-93-3-----	2-Butanone	1400	U
71-55-6-----	1,1,1-Trichloroethane	1400	U
56-23-5-----	Carbon tetrachloride	1400	U
75-27-4-----	Bromodichloromethane	1400	U
78-87-5-----	1,2-Dichloropropane	1400	U
10061-01-5-----	cis-1,3-Dichloropropene	1400	U
79-01-6-----	Trichloroethene	1400	U
124-48-1-----	Dibromochloromethane	1400	U
79-00-5-----	1,1,2-Trichloroethane	1400	U
71-43-2-----	Benzene	320	J
10061-02-6-----	trans-1,3-Dichloropropene	1400	U
75-25-2-----	Bromoform	1400	U
108-10-1-----	4-Methyl-2-pentanone	160	J
591-78-6-----	2-Hexanone	1400	U
127-18-4-----	Tetrachloroethene	1400	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1400	U
108-88-3-----	Toluene	2500	
108-90-7-----	Chlorobenzene	240	J
100-41-4-----	Ethylbenzene	1400	U
100-42-5-----	Styrene	1400	U
1330-20-7-----	Xylene (total)	400	J

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905817

Sample wt/vol: 4.3 (g/mL) G Lab File ID: E0528C07

Level: (low/med) MED Date Received: 05/27/99

% Moisture: not dec. 18 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 10

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	9.18	2700	J
2.	UNKNOWN HYDROCARBON	9.62	5100	J
3.	UNKNOWN HYDROCARBON	10.07	16000	J
4.	UNKNOWN HYDROCARBON	11.15	11000	J
5.	UNKNOWN	11.46	2500	J
6.	UNKNOWN HYDROCARBON	12.07	3100	J
7.	UNKNOWN HYDROCARBON	12.36	5300	J
8.	UNKNOWN HYDROCARBON	12.97	3000	J
9.	UNKNOWN	13.04	6200	J
10.	UNKNOWN HYDROCARBON	14.07	6900	J
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905819

Sample wt/vol: 4.9 (g/mL) G Lab File ID: E0528C08

Level: (low/med) MED Date Received: 05/27/99

% Moisture: not dec. 18 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1200	U
74-83-9-----	Bromomethane	1200	U
75-01-4-----	Vinyl chloride	1200	U
75-00-3-----	Chloroethane	1200	U
75-09-2-----	Methylene chloride	1200	U
67-64-1-----	Acetone	1100	J
75-15-0-----	Carbon disulfide	1200	U
75-35-4-----	1,1-Dichloroethene	1200	U
75-34-3-----	1,1-Dichloroethane	1200	U
54-59-0-----	1,2-Dichloroethene (total)	1200	U
67-66-3-----	Chloroform	1200	U
107-06-2-----	1,2-Dichloroethane	1200	U
78-93-3-----	2-Butanone	310	J
71-55-6-----	1,1,1-Trichloroethane	1200	U
56-23-5-----	Carbon tetrachloride	1200	U
75-27-4-----	Bromodichloromethane	1200	U
78-87-5-----	1,2-Dichloropropane	1200	U
10061-01-5-----	cis-1,3-Dichloropropene	1200	U
79-01-6-----	Trichloroethene	1200	U
124-48-1-----	Dibromochloromethane	1200	U
79-00-5-----	1,1,2-Trichloroethane	1200	U
71-43-2-----	Benzene	5800	_____
10061-02-6-----	trans-1,3-Dichloropropene	1200	U
75-25-2-----	Bromoform	1200	U
108-10-1-----	4-Methyl-2-pentanone	950	J
591-78-6-----	2-Hexanone	1200	U
127-18-4-----	Tetrachloroethene	520	J
79-34-5-----	1,1,2,2-Tetrachloroethane	1200	U
108-88-3-----	Toluene	4800	_____
108-90-7-----	Chlorobenzene	13000	_____
100-41-4-----	Ethylbenzene	6200	_____
100-42-5-----	Styrene	1200	U
1330-20-7-----	Xylene (total)	34000	_____

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905819

Sample wt/vol: 4.9 (g/mL) G Lab File ID: E0528C08

Level: (low/med) MED Date Received: 05/27/99

% Moisture: not dec. 18 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 50 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	16.27	1200	J
2.	UNKNOWN HYDROCARBON	17.72	1800	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X105

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905949

Sample wt/vol: 4.5 (g/mL) G

Lab File ID: E0601C04

Level: (low/med) LOW

Date Received: 05/28/99

% Moisture: not dec. 25

Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	15	U	
74-83-9-----	Bromomethane	15	U	
75-01-4-----	Vinyl chloride	15	U	
75-00-3-----	Chloroethane	15	U	
75-09-2-----	Methylene chloride	15	JB 4	ST 4/16/03
67-64-1-----	Acetone	72	B✓	
75-15-0-----	Carbon disulfide	15	U	
75-35-4-----	1,1-Dichloroethene	15	U	
75-34-3-----	1,1-Dichloroethane	15	U	
54-59-0-----	1,2-Dichloroethene (total)	15	U	
67-66-3-----	Chloroform	15	U	
107-06-2-----	1,2-Dichloroethane	15	U	
78-93-3-----	2-Butanone	18		
71-55-6-----	1,1,1-Trichloroethane	15	U	
56-23-5-----	Carbon tetrachloride	15	U	
75-27-4-----	Bromodichloromethane	15	U	
78-87-5-----	1,2-Dichloropropane	15	U	
10061-01-5-----	cis-1,3-Dichloropropene	15	U	
79-01-6-----	Trichloroethene	15	U	
124-48-1-----	Dibromochloromethane	15	U	
79-00-5-----	1,1,2-Trichloroethane	15	U	
71-43-2-----	Benzene	15	U	
10061-02-6-----	trans-1,3-Dichloropropene	15	U	
75-25-2-----	Bromoform	15	U	
108-10-1-----	4-Methyl-2-pentanone	15	U	
591-78-6-----	2-Hexanone	15	U	
127-18-4-----	Tetrachloroethene	15	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	15	U	
108-88-3-----	Toluene	15	U	
108-90-7-----	Chlorobenzene	260		
100-41-4-----	Ethylbenzene	15	U	
100-42-5-----	Styrene	15	U	
1330-20-7-----	Xylene (total)	15	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X105

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905949

Sample wt/vol: 4.5 (g/mL) G Lab File ID: E0601C04

Level: (low/med) LOW Date Received: 05/28/99

% Moisture: not dec. 25 Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	6.81	14	J
2.	UNKNOWN HYDROCARBON	9.92	5	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X106

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905736

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: E0526C09

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: not dec. 16

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	11	U	
74-83-9-----	Bromomethane	11	U	
75-01-4-----	Vinyl chloride	11	U	
75-00-3-----	Chloroethane	11	U	
75-09-2-----	Methylene chloride	11	U	
67-64-1-----	Acetone	11	3 ZBu	1/26/03
75-15-0-----	Carbon disulfide	11	U	
75-35-4-----	1,1-Dichloroethene	11	U	
75-34-3-----	1,1-Dichloroethane	11	U	
54-59-0-----	1,2-Dichloroethene (total)	11	U	
67-66-3-----	Chloroform	11	U	
107-06-2-----	1,2-Dichloroethane	11	U	
78-93-3-----	2-Butanone	11	U	
71-55-6-----	1,1,1-Trichloroethane	11	U	
56-23-5-----	Carbon tetrachloride	11	U	
75-27-4-----	Bromodichloromethane	11	U	
78-87-5-----	1,2-Dichloropropane	11	U	
10061-01-5-----	cis-1,3-Dichloropropene	11	U	
79-01-6-----	Trichloroethene	11	U	
124-48-1-----	Dibromochloromethane	11	U	
79-00-5-----	1,1,2-Trichloroethane	11	U	
71-43-2-----	Benzene	11	U	
10061-02-6-----	trans-1,3-Dichloropropene	11	U	
75-25-2-----	Bromoform	11	U	
108-10-1-----	4-Methyl-2-pentanone	11	U	
591-78-6-----	2-Hexanone	11	U	
127-18-4-----	Tetrachloroethene	11	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U	
108-88-3-----	Toluene	11	U	
108-90-7-----	Chlorobenzene	3	J	
100-41-4-----	Ethylbenzene	11	U	
100-42-5-----	Styrene	11	U	
1330-20-7-----	Xylene (total)	11	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X106

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905736

Sample wt/vol: 5.4 (g/mL) G Lab File ID: E0526C09

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: not dec. 16 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 121-43-7	BORIC ACID, TRIMETHYL ESTER	6.39	7	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905815

Sample wt/vol: 2.7 (g/mL) G Lab File ID: E0528C11

Level: (low/med) MED Date Received: 05/27/99

% Moisture: not dec. 12 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	2000	U
74-83-9-----	Bromomethane	2000	U
75-01-4-----	Vinyl chloride	2000	U
75-00-3-----	Chloroethane	2000	U
75-09-2-----	Methylene chloride	2000	U
67-64-1-----	Acetone	430	J
75-15-0-----	Carbon disulfide	2000	U
75-35-4-----	1,1-Dichloroethene	2000	U
75-34-3-----	1,1-Dichloroethane	2000	U
54-59-0-----	1,2-Dichloroethene (total)	2000	U
67-66-3-----	Chloroform	2000	U
107-06-2-----	1,2-Dichloroethane	2000	U
78-93-3-----	2-Butanone	2000	U
71-55-6-----	1,1,1-Trichloroethane	2000	U
56-23-5-----	Carbon tetrachloride	2000	U
75-27-4-----	Bromodichloromethane	2000	U
78-87-5-----	1,2-Dichloropropane	2000	U
10061-01-5-----	cis-1,3-Dichloropropene	2000	U
79-01-6-----	Trichloroethene	2000	U
124-48-1-----	Dibromochloromethane	2000	U
79-00-5-----	1,1,2-Trichloroethane	2000	U
71-43-2-----	Benzene	10000	_____
10061-02-6-----	trans-1,3-Dichloropropene	2000	U
75-25-2-----	Bromoform	2000	U
108-10-1-----	4-Methyl-2-pentanone	390	J
591-78-6-----	2-Hexanone	2000	U
127-18-4-----	Tetrachloroethene	2000	U
79-34-5-----	1,1,2,2-Tetrachloroethane	2000	U
108-88-3-----	Toluene	25000	_____
108-90-7-----	Chlorobenzene	800	J
100-41-4-----	Ethylbenzene	3600	_____
100-42-5-----	Styrene	2000	U
1330-20-7-----	Xylene (total)	15000	_____

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905815

Sample wt/vol: 2.7 (g/mL) G Lab File ID: E0528C11

Level: (low/med) MED Date Received: 05/27/99

% Moisture: not dec. 12 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	5.46	2500	J
2.	UNKNOWN HYDROCARBON	10.08	4600	J
3.	UNKNOWN HYDROCARBON	11.16	2200	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X108

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905603

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: E0526C11

Level: (low/med) LOW

Date Received: 05/25/99

% Moisture: not dec. 20

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene chloride	11	U
67-64-1-----	Acetone	11	JBu
75-15-0-----	Carbon disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
54-59-0-----	1,2-Dichloroethene (total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	2	J
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (total)	11	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X108

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905603

Sample wt/vol: 5.6 (g/mL) G Lab File ID: E0526C11

Level: (low/med) LOW Date Received: 05/25/99

% Moisture: not dec. 20 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905735

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: E0526C07

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: not dec. 14

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	11	U	
74-83-9-----	Bromomethane	11	U	
75-01-4-----	Vinyl chloride	11	U	
75-00-3-----	Chloroethane	11	U	
75-09-2-----	Methylene chloride	11	U	
67-64-1-----	Acetone	11	U	11 4 PBV
75-15-0-----	Carbon disulfide	11	U	11 10/03
75-35-4-----	1,1-Dichloroethene	11	U	
75-34-3-----	1,1-Dichloroethane	11	U	
54-59-0-----	1,2-Dichloroethene (total)	11	U	
67-66-3-----	Chloroform	11	U	
107-06-2-----	1,2-Dichloroethane	11	U	
78-93-3-----	2-Butanone	11	U	
71-55-6-----	1,1,1-Trichloroethane	11	U	
56-23-5-----	Carbon tetrachloride	11	U	
75-27-4-----	Bromodichloromethane	11	U	
78-87-5-----	1,2-Dichloropropane	11	U	
10061-01-5-----	cis-1,3-Dichloropropene	11	U	
79-01-6-----	Trichloroethene	11	U	
124-48-1-----	Dibromochloromethane	11	U	
79-00-5-----	1,1,2-Trichloroethane	11	U	
71-43-2-----	Benzene	11	U	
10061-02-6-----	trans-1,3-Dichloropropene	11	U	
75-25-2-----	Bromoform	11	U	
108-10-1-----	4-Methyl-2-pentanone	11	U	
591-78-6-----	2-Hexanone	11	U	
127-18-4-----	Tetrachloroethene	11	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U	
108-88-3-----	Toluene	11	U	
108-90-7-----	Chlorobenzene	4	J	
100-41-4-----	Ethylbenzene	11	U	
100-42-5-----	Styrene	11	U	
1330-20-7-----	Xylene (total)	11	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905735

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0526C07

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: not dec. 14 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109MS

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905735MS

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: E0526C12

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: not dec. 14

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	12	U
74-83-9-----Bromomethane	12	U
75-01-4-----Vinyl chloride	12	U
75-00-3-----Chloroethane	12	U
75-09-2-----Methylene chloride	12	U
67-64-1-----Acetone	12	U
75-15-0-----Carbon Disulfide	12	U
75-35-4-----1,1-Dichloroethene	61	
75-34-3-----1,1-Dichloroethane	12	U
54-59-0-----1,2-Dichloroethene (total)	12	U
67-66-3-----Chloroform	12	U
107-06-2-----1,2-Dichloroethane	12	U
78-93-3-----2-Butanone	12	U
71-55-6-----1,1,1-Trichloroethane	12	U
56-23-5-----Carbon tetrachloride	12	U
75-27-4-----Bromodichloromethane	12	U
78-87-5-----1,2-Dichloropropane	12	U
10061-01-5-----cis-1,3-Dichloropropene	12	U
79-01-6-----Trichloroethene	58	
124-48-1-----Dibromochloromethane	12	U
79-00-5-----1,1,2-Trichloroethane	12	U
71-43-2-----Benzene	60	
10061-02-6-----trans-1,3-Dichloropropene	12	U
75-25-2-----Bromoform	12	U
108-10-1-----4-Methyl-2-pentanone	12	U
591-78-6-----2-Hexanone	12	U
127-18-4-----Tetrachloroethene	12	U
79-34-5-----1,1,2,2-Tetrachloroethane	12	U
108-88-3-----Toluene	56	
108-90-7-----Chlorobenzene	53	
100-41-4-----Ethylbenzene	12	U
100-42-5-----Styrene	12	U
1330-20-7-----Xylene (total)	12	U

ST  
1103

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109MSD

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905735MSD

Sample wt/vol: 4.5 (g/mL) G Lab File ID: E0526C13

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: not dec. 14 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	13	U	
74-83-9-----Bromomethane	13	U	
75-01-4-----Vinyl chloride	13	U	
75-00-3-----Chloroethane	13	U	
75-09-2-----Methylene chloride	13	U	
67-64-1-----Acetone	13	5	JB 4
75-15-0-----Carbon disulfide	13	U	11/10/03
75-35-4-----1,1-Dichloroethene	66		
75-34-3-----1,1-Dichloroethane	13	U	
54-59-0-----1,2-Dichloroethene (total)	13	U	
67-66-3-----Chloroform	13	U	
107-06-2-----1,2-Dichloroethane	13	U	
78-93-3-----2-Butanone	13	U	
71-55-6-----1,1,1-Trichloroethane	13	U	
56-23-5-----Carbon tetrachloride	13	U	
75-27-4-----Bromodichloromethane	13	U	
78-87-5-----1,2-Dichloropropane	13	U	
10061-01-5-----cis-1,3-Dichloropropene	13	U	
79-01-6-----Trichloroethene	62		
124-48-1-----Dibromochloromethane	13	U	
79-00-5-----1,1,2-Trichloroethane	13	U	
71-43-2-----Benzene	64		
10061-02-6-----trans-1,3-Dichloropropene	13	U	
75-25-2-----Bromoform	13	U	
108-10-1-----4-Methyl-2-pentanone	13	U	
591-78-6-----2-Hexanone	13	U	
127-18-4-----Tetrachloroethene	13	U	
79-34-5-----1,1,2,2-Tetrachloroethane	13	U	
108-88-3-----Toluene	60		
108-90-7-----Chlorobenzene	56		
100-41-4-----Ethylbenzene	13	U	
100-42-5-----Styrene	13	U	
1330-20-7-----Xylene (total)	13	U	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905737

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: E0526C08

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: not dec. 14

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

74-87-3-----	Chloromethane	11	U	
74-83-9-----	Bromomethane	11	U	
75-01-4-----	Vinyl chloride	11	U	
75-00-3-----	Chloroethane	11	U	
75-09-2-----	Methylene chloride	11	U	
67-64-1-----	Acetone	11	U	A TB4
75-15-0-----	Carbon disulfide	11	U	110/03
75-35-4-----	1,1-Dichloroethene	11	U	
75-34-3-----	1,1-Dichloroethane	11	U	
54-59-0-----	1,2-Dichloroethene (total)	11	U	
67-66-3-----	Chloroform	11	U	
107-06-2-----	1,2-Dichloroethane	11	U	
78-93-3-----	2-Butanone	11	U	
71-55-6-----	1,1,1-Trichloroethane	11	U	
56-23-5-----	Carbon tetrachloride	11	U	
75-27-4-----	Bromodichloromethane	11	U	
78-87-5-----	1,2-Dichloropropane	11	U	
10061-01-5-----	cis-1,3-Dichloropropene	11	U	
79-01-6-----	Trichloroethene	11	U	
124-48-1-----	Dibromochloromethane	11	U	
79-00-5-----	1,1,2-Trichloroethane	11	U	
71-43-2-----	Benzene	11	U	
10061-02-6-----	trans-1,3-Dichloropropene	11	U	
75-25-2-----	Bromoform	11	U	
108-10-1-----	4-Methyl-2-pentanone	11	U	
591-78-6-----	2-Hexanone	11	U	
127-18-4-----	Tetrachloroethene	11	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U	
108-88-3-----	Toluene	11	U	
108-90-7-----	Chlorobenzene	3	J	
100-41-4-----	Ethylbenzene	11	U	
100-42-5-----	Styrene	11	U	
1330-20-7-----	Xylene (total)	11	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905737

Sample wt/vol: 5.2 (g/mL) G Lab File ID: E0526C08

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: not dec. 14 Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 3.8 (g/mL) G

Lab File ID: E0528C10

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: not dec. 34

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1900	U
74-83-9-----	Bromomethane	1900	U
75-01-4-----	Vinyl chloride	1900	U
75-00-3-----	Chloroethane	1900	U
75-09-2-----	Methylene chloride	1900	U
67-64-1-----	Acetone	500	J
75-15-0-----	Carbon disulfide	1900	U
75-35-4-----	1,1-Dichloroethene	1900	U
75-34-3-----	1,1-Dichloroethane	1900	U
54-59-0-----	1,2-Dichloroethene (total)	1900	U
67-66-3-----	Chloroform	1900	U
107-06-2-----	1,2-Dichloroethane	1900	U
78-93-3-----	2-Butanone	250	J
71-55-6-----	1,1,1-Trichloroethane	1900	U
56-23-5-----	Carbon tetrachloride	1900	U
75-27-4-----	Bromodichloromethane	1900	U
78-87-5-----	1,2-Dichloropropane	1900	U
10061-01-5-----	cis-1,3-Dichloropropene	1900	U
79-01-6-----	Trichloroethene	670	J
124-48-1-----	Dibromochloromethane	1900	U
79-00-5-----	1,1,2-Trichloroethane	1900	U
71-43-2-----	Benzene	480	J
10061-02-6-----	trans-1,3-Dichloropropene	1900	U
75-25-2-----	Bromoform	1900	U
108-10-1-----	4-Methyl-2-pentanone	280	J
591-78-6-----	2-Hexanone	1900	U
127-18-4-----	Tetrachloroethene	1900	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1900	U
108-88-3-----	Toluene	1400	J
108-90-7-----	Chlorobenzene	900	J
100-41-4-----	Ethylbenzene	7400	
100-42-5-----	Styrene	1900	U
1330-20-7-----	Xylene (total)	27000	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 3.8 (g/mL) G

Lab File ID: E0528C10

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: not dec. 34

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	14.07	1200	J
2.	UNKNOWN	19.66	2200	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X112

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905950

Sample wt/vol: 5.9 (g/mL) G Lab File ID: E0601C05

Level: (low/med) LOW Date Received: 05/28/99

% Moisture: not dec. 16 Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND			
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene chloride	10	ZJBu	ST 116 63
67-64-1-----	Acetone	10	ZJBu	
75-15-0-----	Carbon disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
54-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X112

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905950

Sample wt/vol: 5.9 (g/mL) G Lab File ID: E0601C05

Level: (low/med) LOW Date Received: 05/28/99

% Moisture: not dec. 16 Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-71-8	DICHLORODIFLUOROMETHANE	4.71	5	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905742

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: E0528C06

Level: (low/med) MED

Date Received: 05/26/99

% Moisture: not dec. 13

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1100	U
74-83-9-----	Bromomethane	1100	U
75-01-4-----	Vinyl chloride	1100	U
75-00-3-----	Chloroethane	1100	U
75-09-2-----	Methylene chloride	1100	U
67-64-1-----	Acetone	570	J
75-15-0-----	Carbon disulfide	1100	U
75-35-4-----	1,1-Dichloroethene	1100	U
75-34-3-----	1,1-Dichloroethane	1100	U
54-59-0-----	1,2-Dichloroethene (total)	1100	U
67-66-3-----	Chloroform	1100	U
107-06-2-----	1,2-Dichloroethane	1100	U
78-93-3-----	2-Butanone	1100	U
71-55-6-----	1,1,1-Trichloroethane	1100	U
56-23-5-----	Carbon tetrachloride	1100	U
75-27-4-----	Bromodichloromethane	1100	U
78-87-5-----	1,2-Dichloropropane	1100	U
10061-01-5-----	cis-1,3-Dichloropropene	1100	U
79-01-6-----	Trichloroethene	1100	U
124-48-1-----	Dibromochloromethane	1100	U
79-00-5-----	1,1,2-Trichloroethane	1100	U
71-43-2-----	Benzene	370	J
10061-02-6-----	trans-1,3-Dichloropropene	1100	U
75-25-2-----	Bromoform	1100	U
108-10-1-----	4-Methyl-2-pentanone	1100	U
591-78-6-----	2-Hexanone	1100	U
127-18-4-----	Tetrachloroethene	1100	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1100	U
108-88-3-----	Toluene	240	J
108-90-7-----	Chlorobenzene	400	J
100-41-4-----	Ethylbenzene	1400	U
100-42-5-----	Styrene	1100	U
1330-20-7-----	Xylene (total)	6300	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905742

Sample wt/vol: 4.8 (g/mL) G Lab File ID: E0528C06

Level: (low/med) MED Date Received: 05/26/99

% Moisture: not dec. 13 Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.34	1600	JB 4
2. 78-92-2	2-BUTANOL	11.47	1300	JN
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113MS

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905742MS

Sample wt/vol: 3.7 (g/mL) G Lab File ID: E0602C10

Level: (low/med) MED Date Received: 05/26/99

% Moisture: not dec. 13 Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
74-87-3-----	Chloromethane	1500	U
74-83-9-----	Bromomethane	1500	U
75-01-4-----	Vinyl chloride	1500	U
75-00-3-----	Chloroethane	1500	U
75-09-2-----	Methylene chloride	1500	ST
67-64-1-----	Acetone	1200	J
75-15-0-----	Carbon disulfide	1500	U
75-35-4-----	1,1-Dichloroethene	9800	
75-34-3-----	1,1-Dichloroethane	1500	U
54-59-0-----	1,2-Dichloroethene (total)	1500	U
67-66-3-----	Chloroform	1500	U
107-06-2-----	1,2-Dichloroethane	1500	U
78-93-3-----	2-Butanone	1500	U
71-55-6-----	1,1,1-Trichloroethane	1500	U
56-23-5-----	Carbon tetrachloride	1500	U
75-27-4-----	Bromodichloromethane	1500	U
78-87-5-----	1,2-Dichloropropane	1500	U
10061-01-5-----	cis-1,3-Dichloropropene	1500	U
79-01-6-----	Trichloroethene	9600	
124-48-1-----	Dibromochloromethane	1500	U
79-00-5-----	1,1,2-Trichloroethane	1500	U
71-43-2-----	Benzene	11000	
10061-02-6-----	trans-1,3-Dichloropropene	1500	U
75-25-2-----	Bromoform	1500	U
108-10-1-----	4-Methyl-2-pentanone	1500	U
591-78-6-----	2-Hexanone	1500	U
127-18-4-----	Tetrachloroethene	1500	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1500	U
108-88-3-----	Toluene	10000	
108-90-7-----	Chlorobenzene	9000	
100-41-4-----	Ethylbenzene	7200	
100-42-5-----	Styrene	1500	U
1330-20-7-----	Xylene (total)	32000	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113MSD

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905742MSD

Sample wt/vol: 4.2 (g/mL) G Lab File ID: E0602C11

Level: (low/med) MED Date Received: 05/25/99

% Moisture: not dec. 13 Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1300	U
74-83-9-----	Bromomethane	1300	U
75-01-4-----	Vinyl chloride	1300	U
75-00-3-----	Chloroethane	1300	U
75-09-2-----	Methylene chloride	1300	U
67-64-1-----	Acetone	1200	J
75-15-0-----	Carbon disulfide	1300	U
75-35-4-----	1,1-Dichloroethene	8400	
75-34-3-----	1,1-Dichloroethane	1300	U
54-59-0-----	1,2-Dichloroethene (total)	1300	U
67-66-3-----	Chloroform	1300	U
107-06-2-----	1,2-Dichloroethane	1300	U
78-93-3-----	2-Butanone	1300	U
71-55-6-----	1,1,1-Trichloroethane	1300	U
56-23-5-----	Carbon tetrachloride	1300	U
75-27-4-----	Bromodichloromethane	1300	U
78-87-5-----	1,2-Dichloropropane	1300	U
10061-01-5-----	cis-1,3-Dichloropropene	1300	U
79-01-6-----	Trichloroethene	8000	
124-48-1-----	Dibromochloromethane	1300	U
79-00-5-----	1,1,2-Trichloroethane	1300	U
71-43-2-----	Benzene	9500	
10061-02-6-----	trans-1,3-Dichloropropene	1300	U
75-25-2-----	Bromoform	1300	U
108-10-1-----	4-Methyl-2-pentanone	1300	U
591-78-6-----	2-Hexanone	1300	U
127-18-4-----	Tetrachloroethene	1300	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1300	U
108-88-3-----	Toluene	8500	
108-90-7-----	Chlorobenzene	7600	
100-41-4-----	Ethylbenzene	6100	
100-42-5-----	Styrene	1300	U
1330-20-7-----	Xylene (total)	27000	

ST  
1/10/03

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK052699

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: E0526C03

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

74-87-3-----Chloromethane	10	U
74-83-9-----Bromomethane	10	U
75-01-4-----Vinyl chloride	10	U
75-00-3-----Chloroethane	10	U
75-09-2-----Methylene chloride	10	U
67-64-1-----Acetone	2	J
75-15-0-----Carbon disulfide	10	U
75-35-4-----1,1-Dichloroethene	10	U
75-34-3-----1,1-Dichloroethane	10	U
54-59-0-----1,2-Dichloroethene (total)	10	U
67-66-3-----Chloroform	10	U
107-06-2-----1,2-Dichloroethane	10	U
78-93-3-----2-Butanone	10	U
71-55-6-----1,1,1-Trichloroethane	10	U
56-23-5-----Carbon tetrachloride	10	U
75-27-4-----Bromodichloromethane	10	U
78-87-5-----1,2-Dichloropropane	10	U
10061-01-5-----cis-1,3-Dichloropropene	10	U
79-01-6-----Trichloroethene	10	U
124-48-1-----Dibromochloromethane	10	U
79-00-5-----1,1,2-Trichloroethane	10	U
71-43-2-----Benzene	10	U
10061-02-6-----trans-1,3-Dichloropropene	10	U
75-25-2-----Bromoform	10	U
108-10-1-----4-Methyl-2-pentanone	10	U
591-78-6-----2-Hexanone	10	U
127-18-4-----Tetrachloroethene	10	U
79-34-5-----1,1,2,2-Tetrachloroethane	10	U
108-88-3-----Toluene	10	U
108-90-7-----Chlorobenzene	10	U
100-41-4-----Ethylbenzene	10	U
100-42-5-----Styrene	10	U
1330-20-7-----Xylene (total)	10	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL1

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: VBLK052699

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0526C03

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 05/26/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK060199

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: E0601C03

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
74-87-3-----	Chloromethane	10	U	
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene chloride	4	J	
67-64-1-----	Acetone	2	J	
75-15-0-----	Carbon disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
54-59-0-----	1,2-Dichloroethene (total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (total)	10	U	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSL2

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060199

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E0601C03

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 06/01/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKSM052899

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: E0528C04

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	Chloromethane	1200	U
74-83-9-----	Bromomethane	1200	U
75-01-4-----	Vinyl chloride	1200	U
75-00-3-----	Chloroethane	1200	U
75-09-2-----	Methylene chloride	1200	U
67-64-1-----	Acetone	1200	U
75-15-0-----	Carbon disulfide	1200	U
75-35-4-----	1,1-Dichloroethene	1200	U
75-34-3-----	1,1-Dichloroethane	1200	U
54-59-0-----	1,2-Dichloroethene (total)	1200	U
67-66-3-----	Chloroform	1200	U
107-06-2-----	1,2-Dichloroethane	1200	U
78-93-3-----	2-Butanone	1200	U
71-55-6-----	1,1,1-Trichloroethane	1200	U
56-23-5-----	Carbon tetrachloride	1200	U
75-27-4-----	Bromodichloromethane	1200	U
78-87-5-----	1,2-Dichloropropane	1200	U
10061-01-5-----	cis-1,3-Dichloropropene	1200	U
79-01-6-----	Trichloroethene	1200	U
124-48-1-----	Dibromochloromethane	1200	U
79-00-5-----	1,1,2-Trichloroethane	1200	U
71-43-2-----	Benzene	1200	U
10061-02-6-----	trans-1,3-Dichloropropene	1200	U
75-25-2-----	Bromoform	1200	U
108-10-1-----	4-Methyl-2-pentanone	1200	U
591-78-6-----	2-Hexanone	1200	U
127-18-4-----	Tetrachloroethene	1200	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1200	U
108-88-3-----	Toluene	1200	U
108-90-7-----	Chlorobenzene	1200	U
100-41-4-----	Ethylbenzene	1200	U
100-42-5-----	Styrene	1200	U
1330-20-7-----	Xylene (total)	1200	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKSM052899

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: E0528C04

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/28/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.33	1700	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKSM060299

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: E0602C08

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
74-87-3-----	Chloromethane	1200	U
74-83-9-----	Bromomethane	1200	U
75-01-4-----	Vinyl chloride	1200	U
75-00-3-----	Chloroethane	1200	U
75-09-2-----	Methylene chloride	380	J
67-64-1-----	Acetone	1200	U
75-15-0-----	Carbon disulfide	1200	U
75-35-4-----	1,1-Dichloroethene	1200	U
75-34-3-----	1,1-Dichloroethane	1200	U
54-59-0-----	1,2-Dichloroethene(total)	1200	U
67-66-3-----	Chloroform	1200	U
107-06-2-----	1,2-Dichloroethane	1200	U
78-93-3-----	2-Butanone	1200	U
71-55-6-----	1,1,1-Trichloroethane	1200	U
56-23-5-----	Carbon tetrachloride	1200	U
75-27-4-----	Bromodichloromethane	1200	U
78-87-5-----	1,2-Dichloropropane	1200	U
10061-01-5-----	cis-1,3-Dichloropropene	1200	U
79-01-6-----	Trichloroethene	1200	U
124-48-1-----	Dibromochloromethane	1200	U
79-00-5-----	1,1,2-Trichloroethane	1200	U
71-43-2-----	Benzene	1200	U
10061-02-6-----	trans-1,3-Dichloropropene	1200	U
75-25-2-----	Bromoform	1200	U
108-10-1-----	4-Methyl-2-pentanone	1200	U
591-78-6-----	2-Hexanone	1200	U
127-18-4-----	Tetrachloroethene	1200	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1200	U
108-88-3-----	Toluene	1200	U
108-90-7-----	Chlorobenzene	1200	U
100-41-4-----	Ethylbenzene	1200	U
100-42-5-----	Styrene	1200	U
1330-20-7-----	Xylene (total)	1200	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

VBLKSM2

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: VBLKSM060299

Sample wt/vol: 4.0 (g/mL) G Lab File ID: E0602C08

Level: (low/med) MED Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 06/02/99

GC Column: DB-624, 60M ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10 (mL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.37	2000	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

2D  
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKSL1	88	92	95	110	97	97	97	93	0
02	SBLKSL2	78	79	81	93	82	85	82	78	0
03	X109	95	97	100	116*	101	121	100	101	1
04	X110	89	90	95	105	93	116	96	90	0
05	X108	91	94	98	112	96	108	96	95	0
06	X102	81	83	47	99	87	103	90	85	0
07	X106	89	91	92	106	92	108	96	90	0
08	X101	82	84	82	98	87	90	85	76	0
09	X105	75	79	82	89	77	108	81	76	0
10	X112	72	76	77	81	70	95	74	69	0
11	X101MS	81	84	84	93	81	112	90	77	0
12	X101MSD	83	86	87	96	84	114	93	78	0
13	X111DL	94	102	98	106	100	118	103	99	0
14	X113	111	121*	111	132*	121	140*	126	109	3
15	X113DL	92	100	99	112	103	97	107	94	0
16	X111	49	53	84	56	55	62	54	51	0
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

QC LIMITS

S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)
S7 (2CP)	= 2-Chlorophenol-d4	(20-130) (advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130) (advisory)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

2D  
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Level: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKSM	69	68	84	82	73	84	72	76	0
02	X103	24	28*	26	24	16*	0*	20	25	3
03	X107	23*	27*	26	17*	8*	2*	14*	25	6
04	X104	70	68	67	51	23*	22	36	67	1
05	X103RE	23	27*	28	24*	16*	0*	20	27	4
06	X107RE	24	27*	26	18*	8*	1*	14*	24	5
07	X104MS	103	110	101	104	46	65	67	110	0
08	X104MSD	56	56	52	42	15*	6*	26	58	2
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)
S7 (2CP)	= 2-Chlorophenol-d4	(20-130) (advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130) (advisory)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

3D  
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix Spike - EPA Sample No.: X101

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (UG/G)	SAMPLE CONCENTRATION (UG/G)	MS CONCENTRATION (UG/G)	MS % REC #	QC. LIMITS REC.
Phenol	3400	0	3000	88	26- 90
2-Chlorophenol	3400	970	3600	77	25-102
1,4-Dichlorobenzene	2300	0	1900	83	28-104
N-Nitroso-Di-N-Prop. (1)	2300	0	1900	83	41-126
1,2,4-Trichlorobenzene	2300	0	1900	83	38-107
4-Chloro-3-Methylphenol	3400	0	2900	85	26-103
Acenaphthene	2300	0	2000	87	31-137
4-Nitrophenol	3400	0	3200	94	11-114
2,4-Dinitrotoluene	2300	0	2000	87	28- 89
Pentachlorophenol	3400	0	780	23	17-109
Pyrene	2300	0	1700	74	35-142

COMPOUND	SPIKE ADDED (UG/G)	MSD CONCENTRATION (UG/G)	MSD % REC #	% RPD #	QC RPD	LIMITS REC.
Phenol	3400	3000	88	0	35	26- 90
2-Chlorophenol	3400	3900	86	11	50	25-102
1,4-Dichlorobenzene	2200	2000	91	9	27	28-104
N-Nitroso-Di-N-Prop. (1)	2200	2000	91	9	38	41-126
1,2,4-Trichlorobenzene	2200	1900	86	4	23	38-107
4-Chloro-3-Methylphenol	3400	3000	88	3	33	26-103
Acenaphthene	2200	2100	95	9	19	31-137
4-Nitrophenol	3400	3400	100	6	50	11-114
2,4-Dinitrotoluene	2200	2100	95*	9	47	28- 89
Pentachlorophenol	3400	2300	68	99*	47	17-109
Pyrene	2200	1900	86	15	36	35-142

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix Spike - EPA Sample No.: X104

Level: (low/med) MED

COMPOUND	SPIKE ADDED (UG/G)	SAMPLE CONCENTRATION (UG/G)	MS CONCENTRATION (UG/G)	MS % REC #	QC. LIMITS REC.
Phenol	91000	220000	260000	44	26- 90
2-Chlorophenol	91000	22000	83000	67	25-102
1,4-Dichlorobenzene	61000	48000	110000	102	28-104
N-Nitroso-Di-N-Prop. (1)	61000	0	70000	115	41-126
1,2,4-Trichlorobenzene	61000	430000	540000	180*	38-107
4-Chloro-3-Methylphenol	91000	0	93000	102	26-103
Acenaphthene	61000	0	69000	113	31-137
4-Nitrophenol	91000	0	15000	16	11-114
2,4-Dinitrotoluene	61000	0	64000	105*	28- 89
Pentachlorophenol	91000	0	15000	16*	17-109
Pyrene	61000	0	68000	111	35-142

COMPOUND	SPIKE ADDED (UG/G)	MSD CONCENTRATION (UG/G)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	77000	260000	52	17	35	26- 90
2-Chlorophenol	77000	44000	28	82*	50	25-102
1,4-Dichlorobenzene	51000	80000	63	47*	27	28-104
N-Nitroso-Di-N-Prop. (1)	51000	41000	80	36	38	41-126
1,2,4-Trichlorobenzene	51000	440000	20*	160*	23	38-107
4-Chloro-3-Methylphenol	77000	37000	48	72*	33	26-103
Acenaphthene	51000	32000	63	57*	19	31-137
4-Nitrophenol	77000	5400	7*	78*	50	11-114
2,4-Dinitrotoluene	51000	29000	57	59*	47	28- 89
Pentachlorophenol	77000	820	1*	176*	47	17-109
Pyrene	51000	34000	67	49*	36	35-142

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 9 out of 11 outside limits

Spike Recovery: 6 out of 22 outside limits

COMMENTS: \_\_\_\_\_

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Lab File ID: H0616E09

Lab Sample ID: D905802

Instrument ID: HPMS3

Date Extracted: 05/27/99

Matrix: (soil/water) SOIL

Date Analyzed: 06/16/99

Level: (low/med) LOW

Time Analyzed: 1618

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	X109	D905811	H0616E14	06/16/99
02	X110	D905812	H0616E15	06/16/99
03	X108	D905741	H0616E16	06/16/99
04	X102	D905739	H0616E17	06/17/99
05	X106	D905740	H0616E18	06/17/99
06	X101	D905738	H0616E19	06/17/99
07	X101MS	D905801	H0617E05	06/17/99
08	X101MSD	D905801R	H0617E06	06/17/99
09	X113	D905816	H0617E11	06/17/99
10	X113DL	D905816	H0618E04	06/18/99
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS :

4B  
SEMICVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Lab File ID: H0616E10

Lab Sample ID: D906032

Instrument ID: HPMS3

Date Extracted: 06/02/99

Matrix: (soil/water) SOIL

Date Analyzed: 06/16/99

Level: (low/med) LOW

Time Analyzed: 1722

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01 X105	D905949	H0617E03	06/17/99
02 X112	D905950	H0617E04	06/17/99
03 X111DL	D905820	H0617E10	06/17/99
04 X111	D905820	H0618E08	06/18/99
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

COMMENTS:

---



---

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSM

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Lab File ID: H0616E11

Lab Sample ID: D906037

Instrument ID: HPMS3

Date Extracted: 06/03/99

Matrix: (soil/water) SOIL

Date Analyzed: 06/16/99

Level: (low/med) MED

Time Analyzed: 1821

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01 X103	D905817	H0617E08	06/17/99
02 X107	D905815	H0617E09	06/17/99
03 X104	D905819	H0618E03	06/18/99
04 X103RE	D905817	H0618E05	06/18/99
05 X107RE	D905815	H0618E06	06/18/99
06 X104MS	D906036	H0622E03	06/22/99
07 X104MSD	D906036R	H0622E04	06/22/99
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

COMMENTS:

---



---

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905738

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: H0616E19

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND			
108-95-2-----	Phenol	440	U	
111-44-4-----	bis(2-Chloroethyl) Ether	440	U	
95-57-8-----	2-Chlorophenol	970		
541-73-1-----	1,3-Dichlorobenzene	440	U	
106-46-7-----	1,4-Dichlorobenzene	440	U	
95-50-1-----	1,2-Dichlorobenzene	440	U	
95-48-7-----	2-Methylphenol	440	U	
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	440	U	
106-44-5-----	4-Methylphenol	440	U	
621-64-7-----	N-Nitroso-Di-N-Propylamine	440	U	
67-72-1-----	Hexachloroethane	440	U	
98-95-3-----	Nitrobenzene	440	U	
78-59-1-----	Isophorone	440	U	
88-75-5-----	2-Nitrophenol	440	U	
105-67-9-----	2,4-Dimethyphenol	440	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U	
120-83-2-----	2,4-Dichlorophenol	440	U	
120-82-1-----	1,2,4-Trichlorobenzene	440	U	
91-20-3-----	Naphthalene	440	U	
106-47-8-----	4-Chloroaniline	440	U	
87-68-3-----	Hexachlorobutadiene	440	U	
59-50-7-----	4-Chloro-3-Methylphenol	440	U	
91-57-6-----	2-Methylnaphthalene	440	U	
77-47-4-----	Hexachlorocyclopentadiene	440	U	
88-06-2-----	2,4,6-Trichlorophenol	440	U	
95-95-4-----	2,4,5-Trichlorophenol	1100	U	
91-58-7-----	2-Chloronaphthalene	440	U	
88-74-4-----	2-Nitroaniline	1100	U	
131-11-3-----	Dimethylphthalate	440	U	
208-96-8-----	Acenaphthylene	440	U	
606-20-2-----	2,6-Dinitrotoluene	440	U	
99-09-2-----	3-Nitroaniline	1100	U	
83-32-9-----	Acenaphthene	440	U	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905738

Sample wt/vol: 30.4 (g/mL) G Lab File ID: H0616E19

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
51-28-5-----	2,4-Dinitrophenol	1100	U	
100-02-7-----	4-Nitrophenol	1100	U	
132-64-9-----	Dibenzofuran	440	U	
121-14-2-----	2,4-Dinitrotoluene	440	U	
84-66-2-----	Diethylphthalate	440	U	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	440	U	
86-73-7-----	Fluorene	440	U	
100-01-6-----	4-Nitroaniline	1100	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U	
101-55-3-----	4-Bromophenyl-Phenyl Ether	440	U	
118-74-1-----	Hexachlorobenzene	440	U	
87-86-5-----	Pentachlorophenol	1100	U	
85-01-8-----	Phenanthrene	440	U	
120-12-7-----	Anthracene	440	U	
86-74-8-----	Carbazole	440	U	
84-74-2-----	Di-N-Butylphthalate	440	U	
206-44-0-----	Fluoranthene	440	U	
129-00-0-----	Pyrene	440	U	
85-68-7-----	Butylbenzylphthalate	440	U	
91-94-1-----	3,3'-Dichlorobenzidine	440	U	
56-55-3-----	Benzo(a)Anthracene	440	U	
218-01-9-----	Chrysene	440	U	
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	440	U	
117-84-0-----	Di-n-Octylphthalate	440	U	
205-99-2-----	Benzo(b)Fluoranthene	440	U	
207-08-9-----	Benzo(k)Fluoranthene	440	U	
50-32-8-----	Benzo(a)pyrene	180	J	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U	
53-70-3-----	Dibenzo(a,h)Anthracene	440	U	
191-24-2-----	Benzo(g,h,i)Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905738

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: H0616E19

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	340	JB 4
2.	UNKNOWN ALIP. HYDROCARBON	8.65	140	JB 4
3.	UNKNOWN	9.44	160	JB 4
4.	UNKNOWN	12.58	310	JB 4
5.	UNKNOWN	16.07	720	JB 4
6. 106-48-9	4-CHLOROPHENOL	20.52	740	NJ
7.	UNKNOWN ALIP. ACID	27.35	820	JB 4
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101MS

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905801

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0617E05

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND		
108-95-2-----	Phenol	3000	
111-44-4-----	bis(2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	3600	E
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	1900	
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	1900	
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethyphenol	450	U
111-91-1-----	bis(2-Chloroethoxy) Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	1900	
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	2900	
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	2000	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101MS

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL		Lab Sample ID: D905801
Sample wt/vol:	30.1 (g/mL) G	Lab File ID: H0617E05
Level: (low/med)	LOW	Date Received: 05/26/99
% Moisture: 27	decanted: (Y/N) N	Date Extracted: 05/27/99
Concentrated Extract Volume:	500 (uL)	Date Analyzed: 06/17/99
Injection Volume:	2.0 (uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y	pH: 7.0	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	3200	
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	2000	
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	450	U
86-73-7-----	Fluorene	450	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	780	J
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-N-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	1700	
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	450	U
117-84-0-----	Di-n-Octylphthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	450	U
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)pyrene	290	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	450	U
53-70-3-----	Dibenzo(a,h) Anthracene	450	U
191-24-2-----	Benzo(g,h,i) Perylene	450	U

(1) - Cannot be separated from Diphenylamine

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101MSD

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905801R

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0617E06

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND		
108-95-2-----	Phenol	3000	
111-44-4-----	bis(2-Chloroethyl) Ether	440	U
95-57-8-----	2-Chlorophenol	3900	E
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	2000	
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	2000	
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethyphenol	440	U
111-91-1-----	bis(2-Chloroethoxy) Methane	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	1900	
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
87-68-3-----	Hexachlorobutadiene	440	U
59-50-7-----	4-Chloro-3-Methylphenol	3000	
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	2100	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101MSD

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905801R

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0617E06

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
51-28-5-----	2,4-Dinitrophenol	1100	U	
100-02-7-----	4-Nitrophenol	3400		
132-64-9-----	Dibenzofuran	440	U	
121-14-2-----	2,4-Dinitrotoluene	2100		
84-66-2-----	Diethylphthalate	440	U	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	440	U	
86-73-7-----	Fluorene	440	U	
100-01-6-----	4-Nitroaniline	1100	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U	
101-55-3-----	4-Bromophenyl-Phenyl Ether	440	U	
118-74-1-----	Hexachlorobenzene	440	U	
87-86-5-----	Pentachlorophenol	2300		
85-01-8-----	Phenanthrene	440	U	
120-12-7-----	Anthracene	440	U	
86-74-8-----	Carbazole	440	U	
84-74-2-----	Di-N-Butylphthalate	440	U	
206-44-0-----	Fluoranthene	440	U	
129-00-0-----	Pyrene	1900		
85-68-7-----	Butylbenzylphthalate	440	U	
91-94-1-----	3,3'-Dichlorobenzidine	440	U	
56-55-3-----	Benzo(a) Anthracene	440	U	
218-01-9-----	Chrysene	440	U	
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	440	U	
117-84-0-----	Di-n-Octylphthalate	440	U	
205-99-2-----	Benzo(b) Fluoranthene	440	U	
207-08-9-----	Benzo(k) Fluoranthene	440	U	
50-32-8-----	Benzo(a)pyrene	260	J	
193-39-5-----	Indeno(1,2,3-cd) Pyrene	440	U	
53-70-3-----	Dibenzo(a,h) Anthracene	440	U	
191-24-2-----	Benzo(g,h,i) Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905739

Sample wt/vol: 30.2 (g/mL) G Lab File ID: H0616E17

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: 35 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

108-95-2-----	Phenol	510	U
111-44-4-----	bis(2-Chloroethyl) Ether	82	J
95-57-8-----	2-Chlorophenol	510	U
541-73-1-----	1,3-Dichlorobenzene	510	U
106-46-7-----	1,4-Dichlorobenzene	510	U
95-50-1-----	1,2-Dichlorobenzene	510	U
95-48-7-----	2-Methylphenol	510	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	510	U
106-44-5-----	4-Methylphenol	510	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	510	U
67-72-1-----	Hexachloroethane	510	U
98-95-3-----	Nitrobenzene	510	U
78-59-1-----	Isophorone	510	U
88-75-5-----	2-Nitrophenol	510	U
105-67-9-----	2,4-Dimethylphenol	510	U
111-91-1-----	bis(2-Chloroethoxy)Methane	510	U
120-83-2-----	2,4-Dichlorophenol	510	U
120-82-1-----	1,2,4-Trichlorobenzene	510	U
91-20-3-----	Naphthalene	510	U
106-47-8-----	4-Chloroaniline	510	U
87-68-3-----	Hexachlorobutadiene	510	U
59-50-7-----	4-Chloro-3-Methylphenol	510	U
91-57-6-----	2-Methylnaphthalene	510	U
77-47-4-----	Hexachlorocyclopentadiene	510	U
88-06-2-----	2,4,6-Trichlorophenol	510	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	510	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	510	U
208-96-8-----	Acenaphthylene	510	U
606-20-2-----	2,6-Dinitrotoluene	510	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	510	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905739

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: H0616E17

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	510	U
121-14-2-----	2,4-Dinitrotoluene	510	U
84-66-2-----	Diethylphthalate	510	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	510	U
86-73-7-----	Fluorene	510	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	510	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	510	U
118-74-1-----	Hexachlorobenzene	510	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	510	U
120-12-7-----	Anthracene	510	ST
86-74-8-----	Carbazole	510	U
84-74-2-----	Di-N-Butylphthalate	510	JB4
206-44-0-----	Fluoranthene	510	1/10/03
129-00-0-----	Pyrene	510	U
85-68-7-----	Butylbenzylphthalate	510	U
91-94-1-----	3,3'-Dichlorobenzidine	510	U
56-55-3-----	Benzo(a)Anthracene	510	U
218-01-9-----	Chrysene	510	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	510	U
117-84-0-----	Di-n-Octylphthalate	510	U
205-99-2-----	Benzo(b)Fluoranthene	510	U
207-08-9-----	Benzo(k)Fluoranthene	510	U
50-32-8-----	Benzo(a)pyrene	510	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	510	U
53-70-3-----	Dibenzo(a,h)Anthracene	510	U
191-24-2-----	Benzo(g,h,i)Perylene	510	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905739

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: H0616E17

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 35 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	320	JB u
2.	UNKNOWN	7.83	180	JB u
3.	UNKNOWN	8.65	140	JB u
4. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.87	15000	NJAB u
5.	UNKNOWN	9.39	170	JB u
6.	UNKNOWN	12.00	200	J
7.	UNKNOWN	12.58	210	JB u
8.	UNKNOWN	14.65	240	JB u
9.	UNKNOWN ALIP. HYDROCARBON	22.81	160	J
10.	UNKNOWN ALIP. HYDROCARBON	24.70	170	J
11.	UNKNOWN ALIP. ACID	27.38	1600	JB✓
12.	UNKNOWN ALIP. HYDROCARBON	27.97	300	J
13.	UNKNOWN ALIP. HYDROCARBON	29.43	370	J
14.	UNKNOWN ALIP. HYDROCARBON	29.52	320	J
15.	UNKNOWN	30.22	290	J
16.	UNKNOWN ALIP. HYDROCARBON	30.81	280	J
17.	UNKNOWN ALIP. HYDROCARBON	32.11	360	J
18.	UNKNOWN	32.63	330	J
19.	UNKNOWN ALIP. ACID	32.89	3400	JB✓
20.	UNKNOWN ALIP. HYDROCARBON	33.36	320	J
21.	UNKNOWN	35.02	1700	J
22.	UNKNOWN ALIP. ACID	35.26	1800	J
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905817

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0617E08

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----	Phenol	57000	U
111-44-4-----	bis(2-Chloroethyl) Ether	57000	U
95-57-8-----	2-Chlorophenol	57000	U
541-73-1-----	1,3-Dichlorobenzene	57000	U
106-46-7-----	1,4-Dichlorobenzene	6800	J
95-50-1-----	1,2-Dichlorobenzene	57000	U
95-48-7-----	2-Methylphenol	57000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	57000	U
106-44-5-----	4-Methylphenol	57000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	57000	U
67-72-1-----	Hexachloroethane	57000	U
98-95-3-----	Nitrobenzene	57000	U
78-59-1-----	Isophorone	57000	U
88-75-5-----	2-Nitrophenol	57000	U
105-67-9-----	2,4-Dimethyphenol	57000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	57000	U
120-83-2-----	2,4-Dichlorophenol	57000	U
120-82-1-----	1,2,4-Trichlorobenzene	57000	U
91-20-3-----	Naphthalene	57000	U
106-47-8-----	4-Chloroaniline	57000	U
87-68-3-----	Hexachlorobutadiene	57000	U
59-50-7-----	4-Chloro-3-Methylphenol	57000	U
91-57-6-----	2-Methylnaphthalene	57000	U
77-47-4-----	Hexachlorocyclopentadiene	57000	U
88-06-2-----	2,4,6-Trichlorophenol	57000	U
95-95-4-----	2,4,5-Trichlorphenol	140000	U
91-58-7-----	2-Chloronaphthalene	57000	U
88-74-4-----	2-Nitroaniline	140000	U
131-11-3-----	Dimethylphthalate	57000	U
208-96-8-----	Acenaphthylene	57000	U
606-20-2-----	2,6-Dinitrotoluene	57000	U
99-09-2-----	3-Nitroaniline	140000	U
83-32-9-----	Acenaphthene	57000	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905817	
Sample wt/vol:	1.1 (g/mL) G	Lab File ID: H0617E08
Level: (low/med)	MED	Date Received: 05/27/99
% Moisture: 18	decanted: (Y/N) N	Date Extracted: 06/03/99
Concentrated Extract Volume:	2500 (uL)	Date Analyzed: 06/17/99
Injection Volume:	2.0 (uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y	pH: 9.1	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	140000	U
100-02-7-----	4-Nitrophenol	140000	U
132-64-9-----	Dibenzofuran	57000	U
121-14-2-----	2,4-Dinitrotoluene	57000	U
84-66-2-----	Diethylphthalate	57000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	57000	U
86-73-7-----	Fluorene	57000	U
100-01-6-----	4-Nitroaniline	140000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	140000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	57000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	57000	U
118-74-1-----	Hexachlorobenzene	57000	U
87-86-5-----	Pentachlorophenol	140000	U
85-01-8-----	Phenanthrene	57000	U
120-12-7-----	Anthracene	57000	U
86-74-8-----	Carbazole	57000	U
84-74-2-----	Di-N-Butylphthalate	57000	U
206-44-0-----	Fluoranthene	57000	U
129-00-0-----	Pyrene	57000	U
85-68-7-----	Butylbenzylphthalate	57000	U
91-94-1-----	3,3'-Dichlorobenzidine	57000	U
56-55-3-----	Benzo(a)Anthracene	57000	U
218-01-9-----	Chrysene	57000	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	57000	U
117-84-0-----	Di-n-Octylphthalate	57000	U
205-99-2-----	Benzo(b)Fluoranthene	57000	U
207-08-9-----	Benzo(k) Fluoranthene	57000	U
50-32-8-----	Benzo(a)pyrene	57000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	57000	U
53-70-3-----	Dibenzo(a,h) Anthracene	57000	U
191-24-2-----	Benzo(g,h,i) Perylene	57000	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905817

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0617E08

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.1

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 92-52-4	BIPHENYL	24.52	470000	NJ
2.	UNK. SUBSTITUTED BENZENE	27.09	46000	J
3.	UNK. SUBSTITUTED BENZENE	27.22	40000	J
4.	UNK. SUBSTITUTED BENZENE	27.53	46000	J
5.	UNKNOWN ALIP. HYDROCARBON	27.97	26000	J
6.	UNK. SUBSTITUTED BENZENE	28.09	42000	J
7.	UNK. SUBSTITUTED BENZENE	28.54	130000	J
8.	UNK. SUBSTITUTED BENZENE	28.58	220000	J
9.	UNK. SUBSTITUTED BENZENE	28.74	270000	J
10.	UNK. SUBSTITUTED BENZENE	29.06	270000	J
11.	UNKNOWN ALIP. HYDROCARBON	29.43	75000	J
12.	UNK. SUBSTITUTED BENZENE	29.59	280000	J
13.	UNK. SUBSTITUTED BENZENE	29.95	600000	J
14.	UNK. SUBSTITUTED BENZENE	30.02	550000	J
15.	UNK. SUBSTITUTED BENZENE	30.19	460000	J
16.	UNK. SUBSTITUTED BENZENE	30.50	450000	J
17.	UNKNOWN ALIP. HYDROCARBON	30.83	78000	J
18.	UNK. SUBSTITUTED BENZENE	31.02	390000	J
19.	UNK. SUBSTITUTED BENZENE	31.31	1800000	J
20.	UNK. SUBSTITUTED BENZENE	31.41	1100000	J
21.	UNK. SUBSTITUTED BENZENE	31.88	850000	J
22.	UNKNOWN ALIP. HYDROCARBON	32.14	260000	J
23.	UNK. SUBSTITUTED BENZENE	32.39	820000	J
24.	UNK. SUBSTITUTED BENZENE	32.55	630000	J
25.	UNK. SUBSTITUTED BENZENE	32.68	570000	J
26.	UNK. SUBSTITUTED BENZENE	32.86	430000	J
27.	UNK. SUBSTITUTED BENZENE	33.17	360000	J
28.	UNKNOWN ALIP. HYDROCARBON	33.38	430000	J
29.	UNK. SUBSTITUTED BENZENE	33.66	330000	J
30.	UNKNOWN ALIP. HYDROCARBON	34.56	300000	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103RE

Lab Code: SPFLD Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905817

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0618E05

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----	Phenol	57000	U
111-44-4-----	bis(2-Chloroethyl) Ether	57000	U
95-57-8-----	2-Chlorophenol	57000	U
541-73-1-----	1,3-Dichlorobenzene	57000	U
106-46-7-----	1,4-Dichlorobenzene	6600	J
95-50-1-----	1,2-Dichlorobenzene	57000	U
95-48-7-----	2-Methylphenol	57000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	57000	U
106-44-5-----	4-Methylphenol	57000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	57000	U
67-72-1-----	Hexachloroethane	57000	U
98-95-3-----	Nitrobenzene	57000	U
78-59-1-----	Isophorone	57000	U
88-75-5-----	2-Nitrophenol	57000	U
105-67-9-----	2,4-Dimethyphenol	57000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	57000	U
120-83-2-----	2,4-Dichlorophenol	57000	U
120-82-1-----	1,2,4-Trichlorobenzene	57000	U
91-20-3-----	Naphthalene	57000	U
106-47-8-----	4-Chloroaniline	57000	U
87-68-3-----	Hexachlorobutadiene	57000	U
59-50-7-----	4-Chloro-3-Methylphenol	57000	U
91-57-6-----	2-Methylnaphthalene	57000	U
77-47-4-----	Hexachlorocyclopentadiene	57000	U
88-06-2-----	2,4,6-Trichlorophenol	57000	U
95-95-4-----	2,4,5-Trichlorophenol	140000	U
91-58-7-----	2-Chloronaphthalene	57000	U
88-74-4-----	2-Nitroaniline	140000	U
131-11-3-----	Dimethylphthalate	57000	U
208-96-8-----	Acenaphthylene	57000	U
606-20-2-----	2,6-Dinitrotoluene	57000	U
99-09-2-----	3-Nitroaniline	140000	U
83-32-9-----	Acenaphthene	57000	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103RE

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905817

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0618E05

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/G
			Q

51-28-5-----	2,4-Dinitrophenol	140000	U
100-02-7-----	4-Nitrophenol	140000	U
132-64-9-----	Dibenzofuran	57000	U
121-14-2-----	2,4-Dinitrotoluene	57000	U
84-66-2-----	Diethylphthalate	57000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	57000	U
86-73-7-----	Fluorene	57000	U
100-01-6-----	4-Nitroaniline	140000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	140000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	57000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	57000	U
118-74-1-----	Hexachlorobenzene	57000	U
87-86-5-----	Pentachlorophenol	140000	U
85-01-8-----	Phenanthrene	57000	U
120-12-7-----	Anthracene	57000	U
86-74-8-----	Carbazole	57000	U
84-74-2-----	Di-N-Butylphthalate	57000	U
206-44-0-----	Fluoranthene	57000	U
129-00-0-----	Pyrene	57000	U
85-68-7-----	Butylbenzylphthalate	57000	U
91-94-1-----	3,3'-Dichlorobenzidine	57000	U
56-55-3-----	Benzo(a)Anthracene	57000	U
218-01-9-----	Chrysene	57000	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	57000	U
117-84-0-----	Di-n-Octylphthalate	57000	U
205-99-2-----	Benzo(b)Fluoranthene	57000	U
207-08-9-----	Benzo(k)Fluoranthene	57000	U
50-32-8-----	Benzo(a)pyrene	57000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	57000	U
53-70-3-----	Dibenzo(a,h)Anthracene	57000	U
191-24-2-----	Benzo(g,h,i)Perylene	57000	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103RE

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905817	
Sample wt/vol: 1.1 (g/mL) G	Lab File ID: H0618E05	
Level: (low/med) MED	Date Received: 05/27/99	
% Moisture: 18	decanted: (Y/N) N	Date Extracted: 06/03/99
Concentrated Extract Volume: 2500 (uL)	Date Analyzed: 06/18/99	
Injection Volume: 2.0 (uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH: 9.1	

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 92-52-4	BIPHENYL	24.47	480000	NJ
2.	UNK. SUBSTITUTED BENZENE	27.05	44000	J
3.	UNK. SUNSTITUTED BENZENE	27.18	33000	J
4.	UNK. SUBSTITUTED BENZENE	27.48	43000	J
5.	UNK. SUBSTITUTED BENZENE	28.05	37000	J
6.	UNK. SUBSTITUTED BENZENE	28.50	130000	J
7.	UNK. SUBSTITUTED BENZENE	28.54	170000	J
8.	UNK. SUBSTITUTED BENZENE	28.70	260000	J
9.	UNKNOWN	28.87	36000	J
10.	UNKNOWN	29.02	270000	J
11.	UNKNOWN ALIP. HYDROCARBON	29.40	83000	J
12.	UNK. SUBSTITUTED BENZENE	29.56	280000	J
13.	UNK. SUBSTITUTED BENZENE	29.91	540000	J
14.	UNK. SUBSTITUTED BENZENE	29.98	520000	J
15.	UNK. SUBSTITUTED BENZENE	30.15	440000	J
16.	UNK. SUBSTITUTED BENZENE	30.46	430000	J
17.	UNKNOWN ALIP. HYDROCARBON	30.79	74000	J
18.	UNK. SUBSTITUTED BENZENE	30.98	360000	J
19.	UNK. SUBSTITUTED BENZENE	31.27	1500000	J
20.	UNK. SUBSTITUTED BENZENE	31.37	1100000	J
21.	UNK. SUBSTITUTED BENZENE	31.85	840000	J
22.	UNKNOWN ALIP. HYDROCARBON	32.10	240000	J
23.	UNK. SUBSTITUTED BENZENE	32.35	810000	J
24.	UNK. SUBSTITUTED BENZENE	32.51	590000	J
25.	UNKNOWN	32.64	570000	J
26.	UNK. SUBSTITUTED BENZENE	32.82	370000	J
27.	UNK. SUBSTITUTED BENZENE	33.14	370000	J
28.	UNKNOWN ALIP. HYDROCARBON	33.35	430000	J
29.	UNK. SUBSTITUTED BENZENE	33.62	340000	J
30.	UNKNOWN ALIP. HYDROCARBON	34.53	310000	J

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPF LD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905819

Sample wt/vol: 1.3 (g/mL) G Lab File ID: H0618E03

Level: (low/med) MED Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
108-95-2-----	Phenol	220000		
111-44-4-----	bis(2-Chloroethyl) Ether	91000	U	
95-57-8-----	2-Chlorophenol	22000	J	
541-73-1-----	1,3-Dichlorobenzene	91000	U	
106-46-7-----	1,4-Dichlorobenzene	48000	J	
95-50-1-----	1,2-Dichlorobenzene	24000	J	
95-48-7-----	2-Methylphenol	91000	U	
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	91000	U	
106-44-5-----	4-Methylphenol	91000	U	
621-64-7-----	N-Nitroso-Di-N-Propylamine	91000	U	
67-72-1-----	Hexachloroethane	91000	U	
98-95-3-----	Nitrobenzene	91000	U	
78-59-1-----	Isophorone	91000	U	
88-75-5-----	2-Nitrophenol	91000	U	
105-67-9-----	2,4-Dimethyphenol	91000	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	91000	U	
120-83-2-----	2,4-Dichlorophenol	57000	J	
120-82-1-----	1,2,4-Trichlorobenzene	430000		
91-20-3-----	Naphthalene	17000	J	
106-47-8-----	4-Chloroaniline	20000	J	
87-68-3-----	Hexachlorobutadiene	91000	U	
59-50-7-----	4-Chloro-3-Methylphenol	91000	U	
91-57-6-----	2-Methylnaphthalene	91000	U	
77-47-4-----	Hexachlorocyclopentadiene	91000	U	
88-06-2-----	2,4,6-Trichlorophenol	28000	J	
95-95-4-----	2,4,5-Trichlorphenol	230000	U	
91-58-7-----	2-Chloronaphthalene	91000	U	
88-74-4-----	2-Nitroaniline	11000	J	
131-11-3-----	Dimethylphthalate	91000	U	
208-96-8-----	Acenaphthylene	91000	U	
606-20-2-----	2,6-Dinitrotoluene	91000	U	
99-09-2-----	3-Nitroaniline	230000	U	
83-32-9-----	Acenaphthene	91000	U	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905819	
Sample wt/vol: 1.3 (g/mL) G	Lab File ID: H0618E03	
Level: (low/med) MED	Date Received: 05/27/99	
% Moisture: 18	Decanted: (Y/N) N	Date Extracted: 06/03/99
Concentrated Extract Volume: 5000 (uL)		Date Analyzed: 06/18/99
Injection Volume: 2.0 (uL)		Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y	pH: 10.8	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	230000	U
100-02-7-----	4-Nitrophenol	230000	U
132-64-9-----	Dibenzofuran	91000	U
121-14-2-----	2,4-Dinitrotoluene	91000	U
84-66-2-----	Diethylphthalate	91000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	91000	U
86-73-7-----	Fluorene	91000	U
100-01-6-----	4-Nitroaniline	230000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	230000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	91000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	91000	U
118-74-1-----	Hexachlorobenzene	91000	U
87-86-5-----	Pentachlorophenol	230000	U
85-01-8-----	Phenanthrene	91000	U
120-12-7-----	Anthracene	91000	U
86-74-8-----	Carbazole	91000	U
84-74-2-----	Di-N-Butylphthalate	91000	U
206-44-0-----	Fluoranthene	91000	U
129-00-0-----	Pyrene	91000	U
85-68-7-----	Butylbenzylphthalate	91000	U
91-94-1-----	3,3'-Dichlorobenzidine	91000	U
56-55-3-----	Benzo(a)Anthracene	91000	U
218-01-9-----	Chrysene	91000	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	91000	15000 ZB 4
117-84-0-----	Di-n-Octylphthalate	91000	U
205-99-2-----	Benzo(b)Fluoranthene	91000	U
207-08-9-----	Benzo(k)Fluoranthene	91000	U
50-32-8-----	Benzo(a)pyrene	91000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	91000	U
53-70-3-----	Dibenzo(a,h)Anthracene	91000	U
191-24-2-----	Benzo(g,h,i)Perylene	91000	U

(1) - Cannot be separated from Diphenylamine

9/10/03

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905819

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: H0618E03

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.8

CONCENTRATION UNITS:

Number TICs found: 29

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	14.51	540000	J
2.	UNKNOWN ALIP. HYDROCARBON	15.28	320000	J
3. 95-51-2	2-CHLOROANILINE	18.67	220000	NJ
4.	UNKNOWN ALIP. HYDROCARBON	20.57	270000	J
5.	UNK. CHLORO-NITRO BENZENE	21.71	350000	J
6.	UNK. CHLORINATED BENZENE	22.84	740000	J
7.	UNK. CHLORINATED BENZENE	23.09	820000	J
8.	UNK. CHLORINATED BENZENE	26.16	620000	J
9.	UNK. CHLORINATED BENZENE	26.71	200000	J
10.	UNKNOWN PCB	28.49	180000	J
11.	UNKNOWN	29.83	86000	J
12.	UNKNOWN	29.90	100000	J
13.	UNK. SUBSTITUTED BENZENE	30.15	66000	J
14.	UNK. SUBSTITUTED BENZENE	31.24	140000	J
15.	UNK. SUBSTITUTED BENZENE	31.34	94000	J
16.	UNKNOWN PHENOL	31.78	62000	J
17.	UNKNOWN PCB	32.07	130000	J
18.	UNKNOWN PCB	32.35	200000	J
19.	UNKNOWN PCB	33.09	92000	J
20.	UNKNOWN PCB	33.51	170000	J
21.	UNKNOWN PCB	33.63	390000	J
22.	UNKNOWN PCB	33.84	230000	J
23.	UNKNOWN PCB	34.03	73000	J
24.	UNKNOWN PCB	34.42	300000	J
25.	UNKNOWN PCB	35.16	250000	J
26.	UNKNOWN PCB	35.29	120000	J
27.	UNKNOWN PCB	35.68	120000	J
28.	UNKNOWN PCB	35.81	200000	J
29.	UNKNOWN PCB	36.34	170000	J
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104MS

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906036

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: H0622E03

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 06/22/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.8

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND	UG/G	Q
108-95-2-----	Phenol	260000	
111-44-4-----	bis(2-Chloroethyl) Ether	120000	U
95-57-8-----	2-Chlorophenol	83000	J
541-73-1-----	1,3-Dichlorobenzene	120000	U
106-46-7-----	1,4-Dichlorobenzene	110000	J
95-50-1-----	1,2-Dichlorobenzene	23000	J
95-48-7-----	2-Methylphenol	120000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	120000	U
106-44-5-----	4-Methylphenol	120000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	70000	J
67-72-1-----	Hexachloroethane	120000	U
98-95-3-----	Nitrobenzene	120000	U
78-59-1-----	Isophorone	120000	U
88-75-5-----	2-Nitrophenol	120000	U
105-67-9-----	2,4-Dimethyphenol	120000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	120000	U
120-83-2-----	2,4-Dichlorophenol	39000	J
120-82-1-----	1,2,4-Trichlorobenzene	540000	
91-20-3-----	Naphthalene	14000	J
106-47-8-----	4-Chloroaniline	17000	J
87-68-3-----	Hexachlorobutadiene	120000	U
59-50-7-----	4-Chloro-3-Methylphenol	93000	J
91-57-6-----	2-Methylnaphthalene	120000	U
77-47-4-----	Hexachlorocyclopentadiene	120000	U
88-06-2-----	2,4,6-Trichlorophenol	47000	J
95-95-4-----	2,4,5-Trichlorophenol	300000	U
91-58-7-----	2-Chloronaphthalene	120000	U
88-74-4-----	2-Nitroaniline	170000	J
131-11-3-----	Dimethylphthalate	120000	U
208-96-8-----	Acenaphthylene	120000	U
606-20-2-----	2,6-Dinitrotoluene	120000	U
99-09-2-----	3-Nitroaniline	300000	U
83-32-9-----	Acenaphthene	69000	J

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: 1631210001

X104MS

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D906036	
Sample wt/vol: 1.0 (g/mL) G	Lab File ID: H0622E03	
Level: (low/med) MED	Date Received: 05/27/99	
% Moisture: 18	decanted: (Y/N) N	Date Extracted: 06/03/99
Concentrated Extract Volume: 5000(uL)	Date Analyzed: 06/22/99	
Injection Volume: 2.0 (uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH: 10.8	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
51-28-5-----	2,4-Dinitrophenol	300000	U	
100-02-7-----	4-Nitrophenol	15000	J	
132-64-9-----	Dibenzofuran	120000	U	
121-14-2-----	2,4-Dinitrotoluene	64000	J	
84-66-2-----	Diethylphthalate	120000	U	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	120000	U	
86-73-7-----	Fluorene	120000	U	
100-01-6-----	4-Nitroaniline	300000	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	300000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	120000	U	
101-55-3-----	4-Bromophenyl-Phenyl Ether	120000	U	
118-74-1-----	Hexachlorobenzene	120000	U	
87-86-5-----	Pentachlorophenol	15000	J	
85-01-8-----	Phenanthrene	120000	U	
120-12-7-----	Anthracene	120000	U	
86-74-8-----	Carbazole	120000	U	
84-74-2-----	Di-N-Butylphthalate	120000	U	
206-44-0-----	Fluoranthene	120000	U	
129-00-0-----	Pyrene	68000	J	
85-68-7-----	Butylbenzylphthalate	120000	U	
91-94-1-----	3,3'-Dichlorobenzidine	120000	U	
56-55-3-----	Benzo(a)Anthracene	120000	U	
218-01-9-----	Chrysene	120000	U	
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	120000	U	
117-84-0-----	Di-n-Octylphthalate	120000	U	
205-99-2-----	Benzo(b)Fluoranthene	120000	U	
207-08-9-----	Benzo(k)Fluoranthene	120000	U	
50-32-8-----	Benzo(a)pyrene	120000	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	120000	U	
53-70-3-----	Dibenzo(a,h)Anthracene	120000	U	
191-24-2-----	Benzo(g,h,i)Perylene	120000	U	

(1) - Cannot be separated from Diphenylamine

1B  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104MSD

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906036R

Sample wt/vol: 1.2 (g/mL) G

Lab File ID: H0622E04

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/22/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.8

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----	Phenol	260000	
111-44-4-----	bis(2-Chloroethyl) Ether	100000	U
95-57-8-----	2-Chlorophenol	44000	J
541-73-1-----	1,3-Dichlorobenzene	100000	U
106-46-7-----	1,4-Dichlorobenzene	80000	J
95-50-1-----	1,2-Dichlorobenzene	25000	J
95-48-7-----	2-Methylphenol	100000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	100000	U
106-44-5-----	4-Methylphenol	100000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	41000	J
67-72-1-----	Hexachloroethane	100000	U
98-95-3-----	Nitrobenzene	100000	U
78-59-1-----	Isophorone	100000	U
88-75-5-----	2-Nitrophenol	100000	U
105-67-9-----	2,4-Dimethylphenol	100000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	100000	U
120-83-2-----	2,4-Dichlorophenol	52000	J
120-82-1-----	1,2,4-Trichlorobenzene	440000	
91-20-3-----	Naphthalene	15000	J
106-47-8-----	4-Chloroaniline	18000	J
87-68-3-----	Hexachlorobutadiene	100000	U
59-50-7-----	4-Chloro-3-Methylphenol	37000	J
91-57-6-----	2-Methylnaphthalene	100000	U
77-47-4-----	Hexachlorocyclopentadiene	100000	U
88-06-2-----	2,4,6-Trichlorophenol	22000	J
95-95-4-----	2,4,5-Trichlorophenol	260000	U
91-58-7-----	2-Chloronaphthalene	100000	U
88-74-4-----	2-Nitroaniline	12000	J
131-11-3-----	Dimethylphthalate	100000	U
208-96-8-----	Acenaphthylene	100000	U
606-20-2-----	2,6-Dinitrotoluene	100000	U
99-09-2-----	3-Nitroaniline	260000	U
83-32-9-----	Acenaphthene	32000	J

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104MSD

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906036R

Sample wt/vol: 1.2 (g/mL) G

Lab File ID: H0622E04

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/22/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	260000	U
100-02-7-----	4-Nitrophenol	5400	J
132-64-9-----	Dibenzofuran	100000	U
121-14-2-----	2,4-Dinitrotoluene	29000	J
84-66-2-----	Diethylphthalate	100000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	100000	U
86-73-7-----	Fluorene	100000	U
100-01-6-----	4-Nitroaniline	260000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	260000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	100000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	100000	U
118-74-1-----	Hexachlorobenzene	100000	U
87-86-5-----	Pentachlorophenol	820	J
85-01-8-----	Phenanthrene	100000	U
120-12-7-----	Anthracene	100000	U
86-74-8-----	Carbazole	100000	U
84-74-2-----	Di-N-Butylphthalate	100000	U
206-44-0-----	Fluoranthene	100000	U
129-00-0-----	Pyrene	34000	J
85-68-7-----	Butylbenzylphthalate	100000	U
91-94-1-----	3,3'-Dichlorobenzidine	100000	U
56-55-3-----	Benzo(a)Anthracene	100000	U
218-01-9-----	Chrysene	100000	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	100000	J Bu
117-84-0-----	Di-n-Octylphthalate	100000	U
205-99-2-----	Benzo(b)Fluoranthene	100000	U
207-08-9-----	Benzo(k)Fluoranthene	100000	U
50-32-8-----	Benzo(a)pyrene	100000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	100000	U
53-70-3-----	Dibenzo(a,h)Anthracene	100000	U
191-24-2-----	Benzo(g,h,i)Perylene	100000	U

(1) - Cannot be separated from Diphenylamine

ST  
1/10/03

1B  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X105

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905949	
Sample wt/vol: 30.1 (g/mL) G	Lab File ID: H0617E03	
Level: (low/med) LOW	Date Received: 05/28/99	
% Moisture: 25	decanted: (Y/N) N	Date Extracted: 06/02/99
Concentrated Extract Volume: 500(uL)	Date Analyzed: 06/17/99	
Injection Volume: 2.0 (uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH: 7.2	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
108-95-2-----	Phenol	440	U
111-44-4-----	bis(2-Chloroethyl) Ether	440	U
95-57-8-----	2-Chlorophenol	440	U
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	210	J
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	440	U
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethyphenol	440	U
111-91-1-----	bis(2-Chloroethoxy)Methane	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	440	U
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
87-68-3-----	Hexachlorobutadiene	440	U
59-50-7-----	4-Chloro-3-Methylphenol	440	U
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	440	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905949

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0617E03

Level: (low/med) LOW

Date Received: 05/28/99

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	440	U
86-73-7-----	Fluorene	440	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	440	U
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-N-Butylphthalate	440	U
206-44-0-----	Fluoranthene	79	J
129-00-0-----	Pyrene	67	J
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)Anthracene	440	U
218-01-9-----	Chrysene	440	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	67	J
117-84-0-----	Di-n-Octylphthalate	440	U
205-99-2-----	Benzo(b)Fluoranthene	440	U
207-08-9-----	Benzo(k)Fluoranthene	440	U
50-32-8-----	Benzo(a)pyrene	440	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	440	U
53-70-3-----	Dibenzo(a,h)Anthracene	440	U
191-24-2-----	Benzo(g,h,i)Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905949

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0617E03

Level: (low/med) LOW

Date Received: 05/28/99

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	240	JB u
2.	UNKNOWN	7.83	130	JB u
3.	UNKNOWN	8.64	120	J
4. 123-42-2	2 PENTANONE, 4HYDROXY-4METHYL	8.87	11000	NJABu
5.	UNKNOWN	9.39	120	JB u
6.	UNKNOWN	12.01	140	J
7.	UNKNOWN	12.58	300	JB u
8.	UNKNOWN	14.67	530	JB u
9.	UNKNOWN	16.09	1100	JB✓
10. 634-93-5	2, 4, 6 -TRICHLOROBENZENAMINE	25.03	210	NJ
11.	UNKNOWN	25.41	160	J
12.	UNKNOWN ALIP. ACID	27.31	230	JB u
13.	UNKNOWN	29.43	120	J
14.	UNKNOWN	32.15	1000	J
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X106

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905740

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0616E18

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
---------	----------	---	------	---

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl) Ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	390	U
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
111-91-1-----	bis(2-Chloroethoxy) Methane	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-Methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	950	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	950	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U
99-09-2-----	3-Nitroaniline	950	U
83-32-9-----	Acenaphthene	390	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X106

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905740

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0616E18

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	950	U
100-02-7-----	4-Nitrophenol	950	U
132-64-9-----	Dibenzofuran	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	950	U
534-52-1-----	4,6-Dinitro-2-methylphenol	950	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	950	U
85-01-8-----	Phenanthrene	56	J
120-12-7-----	Anthracene	390	U
86-74-8-----	Carbazole	390	U
84-74-2-----	Di-N-Butylphthalate	390	U
206-44-0-----	Fluoranthene	96	J
129-00-0-----	Pyrene	100	J
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	390	U
56-55-3-----	Benzo(a)Anthracene	58	J
218-01-9-----	Chrysene	69	J
117-81-7-----	Bis(2-Ethyhexyl)Phthalate	390	U
117-84-0-----	Di-n-Octylphthalate	390	U
205-99-2-----	Benzo(b)Fluoranthene	83	J
207-08-9-----	Benzo(k)Fluoranthene	61	J
50-32-8-----	Benzo(a)pyrene	59	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	390	U
53-70-3-----	Dibenzo(a,h)Anthracene	390	U
191-24-2-----	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905740

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0616E18

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

Number TICs found: 8

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	250	JB u
2.	UNKNOWN	7.83	170	JB u
3.	UNKNOWN	9.40	130	JB u
4.	UNKNOWN	12.58	220	JB u
5.	UNKNOWN	13.21	160	J
6.	UNKNOWN	16.08	880	JB ✓
7.	UNKNOWN ALIP. ACID	27.31	150	JB u
8.	UNKNOWN ALIP. ACID	32.85	440	JB u
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

ST  
110

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905815

Sample wt/vol: 1.1 (g/mL) G Lab File ID: H0617E09

Level: (low/med) MED Date Received: 05/27/99

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
108-95-2-----	Phenol	18000	J
111-44-4-----	bis(2-Chloroethyl)Ether	50000	U
95-57-8-----	2-Chlorophenol	50000	U
541-73-1-----	1,3-Dichlorobenzene	50000	U
106-46-7-----	1,4-Dichlorobenzene	50000	U
95-50-1-----	1,2-Dichlorobenzene	50000	U
95-48-7-----	2-Methylphenol	50000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	50000	U
106-44-5-----	4-Methylphenol	50000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	50000	U
67-72-1-----	Hexachloroethane	50000	U
98-95-3-----	Nitrobenzene	50000	U
78-59-1-----	Isophorone	50000	U
88-75-5-----	2-Nitrophenol	50000	U
105-67-9-----	2,4-Dimethyphenol	50000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	50000	U
120-83-2-----	2,4-Dichlorophenol	50000	U
120-82-1-----	1,2,4-Trichlorobenzene	50000	U
91-20-3-----	Naphthalene	50000	U
106-47-8-----	4-Chloroaniline	50000	U
87-68-3-----	Hexachlorobutadiene	50000	U
59-50-7-----	4-Chloro-3-Methylphenol	50000	U
91-57-6-----	2-Methylnaphthalene	50000	U
77-47-4-----	Hexachlorocyclopentadiene	50000	U
88-06-2-----	2,4,6-Trichlorophenol	50000	U
95-95-4-----	2,4,5-Trichlorophenol	120000	U
91-58-7-----	2-Chloronaphthalene	50000	U
88-74-4-----	2-Nitroaniline	120000	U
131-11-3-----	Dimethylphthalate	50000	U
208-96-8-----	Acenaphthylene	50000	U
606-20-2-----	2,6-Dinitrotoluene	50000	U
99-09-2-----	3-Nitroaniline	120000	U
83-32-9-----	Acenaphthene	50000	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905815

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0617E09

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	120000	U
100-02-7-----	4-Nitrophenol	120000	U
132-64-9-----	Dibenzofuran	50000	U
121-14-2-----	2,4-Dinitrotoluene	50000	U
84-66-2-----	Diethylphthalate	50000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	50000	U
86-73-7-----	Fluorene	50000	U
100-01-6-----	4-Nitroaniline	120000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	120000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	50000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	50000	U
118-74-1-----	Hexachlorobenzene	50000	U
87-86-5-----	Pentachlorophenol	120000	U
85-01-8-----	Phenanthrene	50000	U
120-12-7-----	Anthracene	50000	U
86-74-8-----	Carbazole	50000	U
84-74-2-----	Di-N-Butylphthalate	50000	U
206-44-0-----	Fluoranthene	50000	U
129-00-0-----	Pyrene	50000	U
85-68-7-----	Butylbenzylphthalate	50000	U
91-94-1-----	3,3'-Dichlorobenzidine	50000	U
56-55-3-----	Benzo(a)Anthracene	50000	U
218-01-9-----	Chrysene	50000	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	50000	U
117-84-0-----	Di-n-Octylphthalate	50000	U
205-99-2-----	Benzo(b)Fluoranthene	50000	U
207-08-9-----	Benzo(k)Fluoranthene	50000	U
50-32-8-----	Benzo(a)pyrene	50000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	50000	U
53-70-3-----	Dibenzo(a,h)Anthracene	50000	U
191-24-2-----	Benzo(g,h,i)Perylene	50000	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905815

Sample wt/vol: 1.1 (g/mL) G Lab File ID: H0617E09

Level: (low/med) MED Date Received: 05/27/99

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.70	60000	NJAB ✓
2.	UNKNOWN ALIP. HYDROCARBON	27.15	68000	J
3.	UNKNOWN ALIP. HYDROCARBON	27.24	28000	J
4.	UNKNOWN	27.33	24000	J
5.	UNKNOWN ALIP. HYDROCARBON	27.41	44000	J
6.	UNKNOWN ALIP. HYDROCARBON	27.53	39000	J
7.	UNKNOWN ALIP. HYDROCARBON	27.97	73000	J
8.	UNKNOWN ALIP. ACID ESTER	28.69	81000	J
9.	UNKNOWN ALIP. HYDROCARBON	29.43	71000	J
10.	UNKNOWN ALIP. HYDROCARBON	29.53	73000	J
11.	UNKNOWN ALIP. HYDROCARBON	30.06	100000	J
12.	UNKNOWN ALIP. HYDROCARBON	30.32	40000	J
13.	UNKNOWN ALIP. HYDROCARBON	30.82	170000	J
14.	UNKNOWN	31.96	120000	J
15.	UNKNOWN ALIP. HYDROCARBON	32.13	140000	J
16.	UNKNOWN ALIP. HYDROCARBON	33.38	160000	J
17.	UNKNOWN ALIP. HYDROCARBON	36.12	100000	J
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107RE

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905815

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0618E06

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND		
108-95-2-----	Phenol	19000	J
111-44-4-----	bis(2-Chloroethyl) Ether	50000	U
95-57-8-----	2-Chlorophenol	50000	U
541-73-1-----	1,3-Dichlorobenzene	50000	U
106-46-7-----	1,4-Dichlorobenzene	50000	U
95-50-1-----	1,2-Dichlorobenzene	50000	U
95-48-7-----	2-Methylphenol	50000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	50000	U
106-44-5-----	4-Methylphenol	50000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	50000	U
67-72-1-----	Hexachloroethane	50000	U
98-95-3-----	Nitrobenzene	50000	U
78-59-1-----	Isophorone	50000	U
88-75-5-----	2-Nitrophenol	50000	U
105-67-9-----	2,4-Dimethyphenol	50000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	50000	U
120-83-2-----	2,4-Dichlorophenol	50000	U
120-82-1-----	1,2,4-Trichlorobenzene	50000	U
91-20-3-----	Naphthalene	50000	U
106-47-8-----	4-Chloroaniline	50000	U
87-68-3-----	Hexachlorobutadiene	50000	U
59-50-7-----	4-Chloro-3-Methylphenol	50000	U
91-57-6-----	2-Methylnaphthalene	50000	U
77-47-4-----	Hexachlorocyclopentadiene	50000	U
88-06-2-----	2,4,6-Trichlorophenol	50000	U
95-95-4-----	2,4,5-Trichlorophenol	120000	U
91-58-7-----	2-Chloronaphthalene	50000	U
88-74-4-----	2-Nitroaniline	120000	U
131-11-3-----	Dimethylphthalate	50000	U
208-96-8-----	Acenaphthylene	50000	U
606-20-2-----	2,6-Dinitrotoluene	50000	U
99-09-2-----	3-Nitroaniline	120000	U
83-32-9-----	Acenaphthene	50000	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107RE

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905815	
Sample wt/vol: 1.1 (g/mL) G	Lab File ID: H0618E06	
Level: (low/med) MED	Date Received: 05/27/99	
% Moisture: 12	decanted: (Y/N) N	Date Extracted: 06/03/99
Concentrated Extract Volume: 2500(uL)	Date Analyzed: 06/18/99	
Injection Volume: 2.0(uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH: 9.9	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
51-28-5-----	2,4-Dinitrophenol	120000	U
100-02-7-----	4-Nitrophenol	120000	U
132-64-9-----	Dibenzofuran	50000	U
121-14-2-----	2,4-Dinitrotoluene	50000	U
84-66-2-----	Diethylphthalate	50000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	50000	U
86-73-7-----	Fluorene	50000	U
100-01-6-----	4-Nitroaniline	120000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	120000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	50000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	50000	U
118-74-1-----	Hexachlorobenzene	50000	U
87-86-5-----	Pentachlorophenol	120000	U
85-01-8-----	Phenanthrene	50000	U
120-12-7-----	Anthracene	50000	U
86-74-8-----	Carbazole	50000	U
84-74-2-----	Di-N-Butylphthalate	50000	U
206-44-0-----	Fluoranthene	50000	U
129-00-0-----	Pyrene	50000	U
85-68-7-----	Butylbenzylphthalate	50000	U
91-94-1-----	3,3'-Dichlorobenzidine	50000	U
56-55-3-----	Benzo(a)Anthracene	50000	U
218-01-9-----	Chrysene	50000	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	50000	U
117-84-0-----	Di-n-Octylphthalate	50000	U
205-99-2-----	Benzo(b)Fluoranthene	50000	U
207-08-9-----	Benzo(k)Fluoranthene	50000	U
50-32-8-----	Benzo(a)pyrene	50000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	50000	U
53-70-3-----	Dibenzo(a,h)Anthracene	50000	U
191-24-2-----	Benzo(g,h,i)Perylene	50000	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107RE

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905815

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: H0618E06

Level: (low/med) MED

Date Received: 05/27/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 2500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.64	60000	NJAB ✓
2.	UNKNOWN ALIP. HYDROCARBON	27.11	64000	J
3.	UNKNOWN	27.20	27000	J
4.	UNKNOWN	27.29	25000	J
5.	UNKNOWN ALIP. HYDROCARBON	27.37	37000	J
6.	UNKNOWN ALIP. HYDROCARBON	27.49	34000	J
7.	UNKNOWN ALIP. HYDROCARBON	27.93	65000	J
8.	UNKNOWN	28.65	99000	J
9.	UNKNOWN ALIP. HYDROCARBON	29.39	91000	J
10.	UNKNOWN ALIP. HYDROCARBON	29.49	65000	J
11.	UNKNOWN ALIP. HYDROCARBON	30.02	130000	J
12.	UNKNOWN ALIP. HYDROCARBON	30.12	38000	J
13.	UNKNOWN	30.20	21000	J
14.	UNKNOWN ALIP. HYDROCARBON	30.28	41000	J
15.	UNKNOWN	30.40	43000	J
16.	UNKNOWN ALIP. HYDROCARBON	30.78	180000	J
17.	UNKNOWN ALIP. HYDROCARBON	30.92	100000	J
18.	UNKNOWN	31.92	140000	J
19.	UNKNOWN ALIP. HYDROCARBON	32.01	50000	J
20.	UNKNOWN ALIP. HYDROCARBON	32.09	160000	J
21.	UNKNOWN ALIP. HYDROCARBON	33.34	180000	J
22.	UNKNOWN ALIP. HYDROCARBON	34.53	100000	J
23.	UNKNOWN ALIP. HYDROCARBON	36.09	120000	J
24.	UNKNOWN ALIP. HYDROCARBON	38.82	130000	J
25.	UNKNOWN ALIP. HYDROCARBON	40.11	140000	J
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X108

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905741

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0616E16

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
108-95-2-----	Phenol	410	U	
111-44-4-----	bis(2-Chloroethyl) Ether	410	U	
95-57-8-----	2-Chlorophenol	410	U	
541-73-1-----	1,3-Dichlorobenzene	410	U	
106-46-7-----	1,4-Dichlorobenzene	410	U	
95-50-1-----	1,2-Dichlorobenzene	410	U	
95-48-7-----	2-Methylphenol	410	U	
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	410	U	
106-44-5-----	4-Methylphenol	410	U	
621-64-7-----	N-Nitroso-Di-N-Propylamine	410	U	
67-72-1-----	Hexachloroethane	410	U	
98-95-3-----	Nitrobenzene	410	U	
78-59-1-----	Isophorone	410	U	
88-75-5-----	2-Nitrophenol	410	U	
105-67-9-----	2,4-Dimethyphenol	410	U	
111-91-1-----	bis(2-Chloroethoxy)Methane	410	U	
120-83-2-----	2,4-Dichlorophenol	410	U	
120-82-1-----	1,2,4-Trichlorobenzene	410	U	
91-20-3-----	Naphthalene	410	U	
106-47-8-----	4-Chloroaniline	410	U	
87-68-3-----	Hexachlorobutadiene	410	U	
59-50-7-----	4-Chloro-3-Methylphenol	410	U	
91-57-6-----	2-Methylnaphthalene	410	U	
77-47-4-----	Hexachlorocyclopentadiene	410	U	
88-06-2-----	2,4,6-Trichlorophenol	410	U	
95-95-4-----	2,4,5-Trichlorophenol	990	U	
91-58-7-----	2-Chloronaphthalene	410	U	
88-74-4-----	2-Nitroaniline	990	U	
131-11-3-----	Dimethylphthalate	410	U	
208-96-8-----	Acenaphthylene	410	U	
606-20-2-----	2,6-Dinitrotoluene	410	U	
99-09-2-----	3-Nitroaniline	990	U	
83-32-9-----	Acenaphthene	410	U	

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X108

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905741

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0616E16

Level: (low/med) LOW

Date Received: 05/26/99

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
---------	----------	---	------	---

51-28-5-----	2,4-Dinitrophenol	990	U
100-02-7-----	4-Nitrophenol	990	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	990	U
534-52-1-----	4,6-Dinitro-2-methylphenol	990	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	720	J
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-N-Butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	75	J
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)Anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	410	U
117-84-0-----	Di-n-Octylphthalate	410	U
205-99-2-----	Benzo(b)Fluoranthene	410	U
207-08-9-----	Benzo(k)Fluoranthene	410	U
50-32-8-----	Benzo(a)pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3-----	Dibenzo(a,h)Anthracene	410	U
191-24-2-----	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905741

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0616E16

Level: (low/med) LOW Date Received: 05/26/99

% Moisture: 20 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	260	JB u
2.	UNKNOWN	7.83	140	JB u
3.	UNKNOWN ALIP. HYDROCARBON	8.64	110	JB u
4. 123-42-2	2 PENTANONE, 4HYDROXY-4METHYL	8.88	12000	NJAB u
5.	UNKNOWN	9.39	150	JB u
6.	UNKNOWN	12.58	390	JB u
7.	UNKNOWN	16.05	120	JB u
8.	UNKNOWN ALIP. ACID	27.32	170	JB u
9.	UNKNOWN ALIP. ACID	32.84	200	JB u
10.	UNKNOWN	38.80	250	JB ✓
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905811

Sample wt/vol: 30.2 (g/mL) G Lab File ID: H0616E14

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----Phenol	380	U
111-44-4-----bis(2-Chloroethyl)Ether	380	U
95-57-8-----2-Chlorophenol	380	U
541-73-1-----1,3-Dichlorobenzene	380	U
106-46-7-----1,4-Dichlorobenzene	380	U
95-50-1-----1,2-Dichlorobenzene	380	U
95-48-7-----2-Methylphenol	380	U
108-60-1-----2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5-----4-Methylphenol	380	U
621-64-7-----N-Nitroso-Di-N-Propylamine	380	U
67-72-1-----Hexachloroethane	380	U
98-95-3-----Nitrobenzene	380	U
78-59-1-----Isophorone	380	U
88-75-5-----2-Nitrophenol	380	U
105-67-9-----2,4-Dimethyphenol	380	U
111-91-1-----bis(2-Chloroethoxy)Methane	380	U
120-83-2-----2,4-Dichlorophenol	380	U
120-82-1-----1,2,4-Trichlorobenzene	380	U
91-20-3-----Naphthalene	380	U
106-47-8-----4-Chloroaniline	380	U
87-68-3-----Hexachlorobutadiene	380	U
59-50-7-----4-Chloro-3-Methylphenol	380	U
91-57-6-----2-Methylnaphthalene	380	U
77-47-4-----Hexachlorocyclopentadiene	380	U
88-06-2-----2,4,6-Trichlorophenol	380	U
95-95-4-----2,4,5-Trichlorophenol	920	U
91-58-7-----2-Chloronaphthalene	380	U
88-74-4-----2-Nitroaniline	920	U
131-11-3-----Dimethylphthalate	380	U
208-96-8-----Acenaphthylene	380	U
606-20-2-----2,6-Dinitrotoluene	380	U
99-09-2-----3-Nitroaniline	920	U
83-32-9-----Acenaphthene	380	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905811

Sample wt/vol: 30.2 (g/mL) G Lab File ID: H0616E14

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
51-28-5-----	2,4-Dinitrophenol	920	U	
100-02-7-----	4-Nitrophenol	920	U	
132-64-9-----	Dibenzofuran	380	U	
121-14-2-----	2,4-Dinitrotoluene	380	U	
84-66-2-----	Diethylphthalate	380	U	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	380	U	
86-73-7-----	Fluorene	380	U	
100-01-6-----	4-Nitroaniline	920	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	920	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U	
101-55-3-----	4-Bromophenyl-Phenyl Ether	380	U	
118-74-1-----	Hexachlorobenzene	380	U	
87-86-5-----	Pentachlorophenol	920	U	
85-01-8-----	Phenanthrene	380	U	
120-12-7-----	Anthracene	380	U	
86-74-8-----	Carbazole	380	U	
84-74-2-----	Di-N-Butylphthalate	380	U	380.58 JBU
206-44-0-----	Fluoranthene	380	U	11/10/03
129-00-0-----	Pyrene	380	U	
85-68-7-----	Butylbenzylphthalate	380	U	
91-94-1-----	3,3'-Dichlorobenzidine	380	U	
56-55-3-----	Benzo(a)Anthracene	380	U	
218-01-9-----	Chrysene	380	U	
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	380	U	
117-84-0-----	Di-n-Octylphthalate	380	U	
205-99-2-----	Benzo(b)Fluoranthene	380	U	
207-08-9-----	Benzo(k)Fluoranthene	380	U	
50-32-8-----	Benzo(a)pyrene	380	U	
193-39-5-----	Indeno(1,2,3-cd)Pyrene	380	U	
53-70-3-----	Dibenzo(a,h)Anthracene	380	U	
191-24-2-----	Benzo(g,h,i)Perylene	380	U	

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601  
 Matrix: (soil/water) SOIL Lab Sample ID: D905811  
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: H0616E14  
 Level: (low/med) LOW Date Received: 05/27/99  
 % Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/99  
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99  
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	240	JB u
2.	UNKNOWN	7.83	130	JB u
3. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.86	11000	NJAB u
4.	UNKNOWN	9.39	140	JB u
5.	UNKNOWN	12.57	240	JB u
6.	UNKNOWN	16.05	110	JB u
7.	UNKNOWN ALIP. ACID	27.31	140	JB u
8.	UNKNOWN ALIP. ACID	32.85	370	JB u
9.	UNKNOWN ALIP. ACID	35.23	110	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905812

Sample wt/vol: 30.3 (g/mL) G Lab File ID: H0616E15

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/G	Q
---------	----------	---	------	---

108-95-2-----	Phenol	380	U
111-44-4-----	bis(2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
111-91-1-----	bis(2-Chloroethoxy) Methane	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-Methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	920	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	920	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	920	U
83-32-9-----	Acenaphthene	380	U

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905812

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: H0616E15

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

51-28-5-----	2,4-Dinitrophenol	920	U
100-02-7-----	4-Nitrophenol	920	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	920	U
534-52-1-----	4,6-Dinitro-2-methylphenol	920	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	920	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
86-74-8-----	Carbazole	380	U
84-74-2-----	Di-N-Butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a)Anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	380	U
117-84-0-----	Di-n-Octylphthalate	380	U
205-99-2-----	Benzo(b)Fluoranthene	380	U
207-08-9-----	Benzo(k)Fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	380	U
53-70-3-----	Dibenzo(a,h)Anthracene	380	U
191-24-2-----	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905812

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: H0616E15

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	230	JB u
2.	UNKNOWN	7.84	140	JB u
3. 123-42-2	2 PENTANONE, 4HYDROXY-4METHYL	8.87	11000	NJAB u
4.	UNKNOWN	9.39	130	JB u
5.	UNKNOWN	12.00	150	J
6.	UNKNOWN	12.58	210	JB u
7.	UNKNOWN	16.05	130	JB u
8.	UNKNOWN ALIP. ACID	27.32	190	JB u
9.	UNKNOWN ALIP. ACID	32.84	270	JB u
10.	UNKNOWN	38.80	150	JB u
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0618E08

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND		
108-95-2-----	Phenol	140	J
111-44-4-----	bis(2-Chloroethyl) Ether	490	U
95-57-8-----	2-Chlorophenol	490	U
541-73-1-----	1,3-Dichlorobenzene	490	U
106-46-7-----	1,4-Dichlorobenzene	490	J
95-50-1-----	1,2-Dichlorobenzene	100	J
95-48-7-----	2-Methylphenol	490	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	490	U
106-44-5-----	4-Methylphenol	300	J
621-64-7-----	N-Nitroso-Di-N-Propylamine	490	U
67-72-1-----	Hexachloroethane	490	U
98-95-3-----	Nitrobenzene	490	U
78-59-1-----	Isophorone	490	U
88-75-5-----	2-Nitrophenol	490	U
105-67-9-----	2,4-Dimethylphenol	490	U
111-91-1-----	bis(2-Chloroethoxy) Methane	490	U
120-83-2-----	2,4-Dichlorophenol	490	U
120-82-1-----	1,2,4-Trichlorobenzene	490	U
91-20-3-----	Naphthalene	860	_____
106-47-8-----	4-Chloroaniline	1100	_____
87-68-3-----	Hexachlorobutadiene	490	U
59-50-7-----	4-Chloro-3-Methylphenol	490	U
91-57-6-----	2-Methylnaphthalene	540	_____
77-47-4-----	Hexachlorocyclopentadiene	490	U
88-06-2-----	2,4,6-Trichlorophenol	490	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	490	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	490	U
208-96-8-----	Acenaphthylene	490	U
606-20-2-----	2,6-Dinitrotoluene	490	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	140	J

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPF LD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0618E08

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	130	J
121-14-2-----	2,4-Dinitrotoluene	490	U
84-66-2-----	Diethylphthalate	1200	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	490	U
86-73-7-----	Fluorene	180	J
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	510	
101-55-3-----	4-Bromophenyl-Phenyl Ether	490	U
118-74-1-----	Hexachlorobenzene	490	U
87-86-5-----	Pentachlorophenol	2500	
85-01-8-----	Phenanthrene	1100	
120-12-7-----	Anthracene	160	J
86-74-8-----	Carbazole	120	J
84-74-2-----	Di-N-Butylphthalate	1100	B,J
206-44-0-----	Fluoranthene	850	
129-00-0-----	Pyrene	1600	
85-68-7-----	Butylbenzylphthalate	340	J
91-94-1-----	3,3'-Dichlorobenzidine	490	U
56-55-3-----	Benzo(a)Anthracene	500	
218-01-9-----	Chrysene	920	
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	7700	E
117-84-0-----	Di-n-Octylphthalate	490	U
205-99-2-----	Benzo(b) Fluoranthene	600	
207-08-9-----	Benzo(k) Fluoranthene	440	J
50-32-8-----	Benzo(a)pyrene	460	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	490	U
53-70-3-----	Dibenzo(a,h) Anthracene	490	U
191-24-2-----	Benzo(g,h,i) Perylene	490	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G Lab File ID: H0618E08

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.77	8900 NJAB	M
2.	UNKNOWN ALIP. HYDROCARBON	10.94	580 J	
3.	UNKNOWN ALIP. HYDROCARBON	12.02	640 J	↗
4.	UNKNOWN ALIP. HYDROCARBON	12.18	1000 J	
5.	UNKNOWN	12.44	590 J	
6.	UNKNOWN	13.15	2200 J	
7.	UNKNOWN ALIP. HYDROCARBON	13.27	740 J	
8.	UNK. C3-SUBSTITUTED BENZENE	13.39	700 J	
9.	UNKNOWN ALIP. HYDROCARBON	13.50	700 J	
10.	UNK. C3-SUBSTITUTED BENZENE	14.27	1400 J	
11.	UNKNOWN ALIP. HYDROCARBON	14.50	1500 J	
12.	UNKNOWN	15.28	2300 J	
13.	UNKNOWN	16.66	1500 J	
14.	UNKNOWN	17.10	1300 J	
15.	UNKNOWN ALIP. HYDROCARBON	17.81	1800 J	
16.	UNKNOWN	18.36	690 J	
17. 95-51-2	2-CHLOROANILINE	18.66	570 NJ	
18.	UNKNOWN	19.18	380 J	
19.	UNKNOWN	20.58	900 J	
20.	UNKNOWN ALIP. HYDROCARBON	20.91	730 J	
21. 94-70-2	2-ETHOXYBENZENAMINE	21.51	620 NJ	
22.	UNKNOWN ALIP. HYDROCARBON	24.26	780 J	
23.	UNKNOWN	25.24	2400 J	
24.	UNKNOWN	25.31	6000 J	
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111DL

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0617E10

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/G

108-95-2-----	Phenol	2500	U
111-44-4-----	bis(2-Chloroethyl) Ether	2500	U
95-57-8-----	2-Chlorophenol	2500	U
541-73-1-----	1,3-Dichlorobenzene	2500	U
106-46-7-----	1,4-Dichlorobenzene	1000	DJ
95-50-1-----	1,2-Dichlorobenzene	2500	U
95-48-7-----	2-Methylphenol	2500	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	2500	U
106-44-5-----	4-Methylphenol	490	DJ
621-64-7-----	N-Nitroso-Di-N-Propylamine	2500	U
67-72-1-----	Hexachloroethane	2500	U
98-95-3-----	Nitrobenzene	2500	U
78-59-1-----	Isophorone	2500	U
88-75-5-----	2-Nitrophenol	2500	U
105-67-9-----	2,4-Dimethyphenol	2500	U
111-91-1-----	bis(2-Chloroethoxy)Methane	2500	U
120-83-2-----	2,4-Dichlorophenol	2500	U
120-82-1-----	1,2,4-Trichlorobenzene	2500	U
91-20-3-----	Naphthalene	1600	DJ
106-47-8-----	4-Chloroaniline	2200	DJ
87-68-3-----	Hexachlorobutadiene	2500	U
59-50-7-----	4-Chloro-3-Methylphenol	2500	U
91-57-6-----	2-Methylnaphthalene	1000	DJ
77-47-4-----	Hexachlorocyclopentadiene	2500	U
88-06-2-----	2,4,6-Trichlorophenol	2500	U
95-95-4-----	2,4,5-Trichlorophenol	520	DJ
91-58-7-----	2-Chloronaphthalene	2500	U
88-74-4-----	2-Nitroaniline	6000	U
131-11-3-----	Dimethylphthalate	2500	U
208-96-8-----	Acenaphthylene	2500	U
606-20-2-----	2,6-Dinitrotoluene	2500	U
99-09-2-----	3-Nitroaniline	6000	U
83-32-9-----	Acenaphthene	270	DJ

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111DL

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0617E10

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

51-28-5-----	2,4-Dinitrophenol	6000	U
100-02-7-----	4-Nitrophenol	6000	U
132-64-9-----	Dibenzofuran	260	DJ
121-14-2-----	2,4-Dinitrotoluene	2500	U
84-66-2-----	Diethylphthalate	2300	DJ
7005-72-3-----	4-Chlorophenyl Phenyl Ether	2500	U
86-73-7-----	Fluorene	340	DJ
100-01-6-----	4-Nitroaniline	6000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	6000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1000	DJ
101-55-3-----	4-Bromophenyl-Phenyl Ether	2500	U
118-74-1-----	Hexachlorobenzene	2500	U
87-86-5-----	Pentachlorophenol	5400	DJ
85-01-8-----	Phenanthrene	2000	DJ
120-12-7-----	Anthracene	270	DJ
86-74-8-----	Carbazole	270	DJ
84-74-2-----	Di-N-Butylphthalate	2500	DB U
206-44-0-----	Fluoranthene	1600	DJ
129-00-0-----	Pyrene	2100	DJ
85-68-7-----	Butylbenzylphthalate	440	DJ
91-94-1-----	3,3'-Dichlorobenzidine	2500	U
56-55-3-----	Benzo(a)Anthracene	860	DJ
218-01-9-----	Chrysene	1600	DJ
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	12000	D
117-84-0-----	Di-n-Octylphthalate	2500	U
205-99-2-----	Benzo(b)Fluoranthene	960	DJ
207-08-9-----	Benzo(k)Fluoranthene	540	DJ
50-32-8-----	Benzo(a)pyrene	760	DJ
193-39-5-----	Indeno(1,2,3-cd)Pyrene	2500	U
53-70-3-----	Dibenzo(a,h)Anthracene	2500	U
191-24-2-----	Benzo(g,h,i)Perylene	2500	U

11/10/93

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111DL

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: H0617E10

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2 PENTANONE, 4HYDROXY-4METHYL	8.77	17000	NJABD
2.	UNKNOWN	12.24	2000	JD
3.	UNKNOWN	13.21	4200	JD
4.	UNK. C3-SUBSTITUTED BENZENE	14.33	2600	JD
5.	UNKNOWN ALIP. HYDROCARBON	14.56	3800	JD
6.	UNKNOWN	15.34	4300	JD
7.	UNKNOWN	16.72	2800	JD
8.	UNKNOWN ALIP. HYDROCARBON	16.93	1700	JD
9.	UNKNOWN	17.16	2600	JD
10.	UNKNOWN ALIP. HYDROCARBON	17.87	3500	JD
11. 95-51-2	2-CHLOROANILINE	18.72	1300	NJD
12.	UNKNOWN	19.47	1500	JD
13.	UNKNOWN ALIP. HYDROCARBON	20.62	1300	JD
14.	UNKNOWN ALIP. HYDROCARBON	20.95	1300	JD
15.	UNKNOWN	22.26	1600	JD
16. 156-43-4	4 -ETHOXYBENZENAMINE	22.65	8000	NJD
17.	UNKNOWN	25.34	15000	JD
18.	UNKNOWN ALIP. HYDROCARBON	25.78	1500	JD
19. 128-37-0	BUTYLATED HYDROXYTOLUENE	26.74	2100	NJD
20.	UNKNOWN ALIP. HYDROCARBON	29.53	5500	JD
21.	UNKNOWN ALIP. ACID	30.26	3000	JD
22.	UNKNOWN	30.44	2700	JD
23.	UNKNOWN	30.50	6500	JD
24.	UNKNOWN	32.17	11000	JD
25.	UNKNOWN	32.51	57000	JD
26.	UNKNOWN	34.97	16000	JD
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905950

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: H0617E04

Level: (low/med) LOW

Date Received: 05/28/99

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl) Ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	66	J
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethyphenol	390	U
111-91-1-----	bis(2-Chloroethoxy)Methane	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-Methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	940	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	940	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U
99-09-2-----	3-Nitroaniline	940	U
83-32-9-----	Acenaphthene	390	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905950

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: H0617E04

Level: (low/med) LOW

Date Received: 05/28/99

% Moisture: 16 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

51-28-5-----	2,4-Dinitrophenol	940	U
100-02-7-----	4-Nitrophenol	940	U
132-64-9-----	Dibenzofuran	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	940	U
534-52-1-----	4,6-Dinitro-2-methylphenol	940	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	940	U
85-01-8-----	Phenanthrene	140	J
120-12-7-----	Anthracene	390	U
86-74-8-----	Carbazole	390	U
84-74-2-----	Di-N-Butylphthalate	390	U
206-44-0-----	Fluoranthene	180	J
129-00-0-----	Pyrene	140	J
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	390	U
56-55-3-----	Benzo(a)Anthracene	94	J
218-01-9-----	Chrysene	99	J
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	390	U
117-84-0-----	Di-n-Octylphthalate	390	U
205-99-2-----	Benzo(b)Fluoranthene	89	J
207-08-9-----	Benzo(k)Fluoranthene	84	J
50-32-8-----	Benzo(a)pyrene	71	J
193-39-5-----	Indeno(1,2,3-cd) Pyrene	390	U
53-70-3-----	Dibenzo(a,h)Anthracene	390	U
191-24-2-----	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905950

Sample wt/vol: 30.2 (g/mL) G Lab File ID: H0617E04

Level: (low/med) LOW Date Received: 05/28/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	200	JB U
2. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.86	9600	N TAB U
3.	UNKNOWN	9.39	110	JB U
4.	UNKNOWN	12.57	180	JB U
5.	UNKNOWN	16.05	140	JB U
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0617E11

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NO.	COMPOUND			Q
108-95-2-----	Phenol	74000	E	
111-44-4-----	bis(2-Chloroethyl) Ether	3800	U	
95-57-8-----	2-Chlorophenol	3800	U	
541-73-1-----	1,3-Dichlorobenzene	3800	U	
106-46-7-----	1,4-Dichlorobenzene	8600		
95-50-1-----	1,2-Dichlorobenzene	3800	U	
95-48-7-----	2-Methylphenol	3800	U	
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	3800	U	
106-44-5-----	4-Methylphenol	5400		
621-64-7-----	N-Nitroso-Di-N-Propylamine	3800	U	
67-72-1-----	Hexachloroethane	3800	U	
98-95-3-----	Nitrobenzene	3800	U	
78-59-1-----	Isophorone	3800	U	
88-75-5-----	2-Nitrophenol	3800	U	
105-67-9-----	2,4-Dimethylphenol	690	J	
111-91-1-----	bis(2-Chloroethoxy) Methane	3800	U	
120-83-2-----	2,4-Dichlorophenol	3800	U	
120-82-1-----	1,2,4-Trichlorobenzene	3800	U	
91-20-3-----	Naphthalene	3800	U	
106-47-8-----	4-Chloroaniline	23000		
87-68-3-----	Hexachlorobutadiene	3800	U	
59-50-7-----	4-Chloro-3-Methylphenol	3800	U	
91-57-6-----	2-Methylnaphthalene	3800	U	
77-47-4-----	Hexachlorocyclopentadiene	3800	U	
88-06-2-----	2,4,6-Trichlorophenol	3800	U	
95-95-4-----	2,4,5-Trichlorophenol	9100	U	
91-58-7-----	2-Chloronaphthalene	3800	U	
88-74-4-----	2-Nitroaniline	9100	U	
131-11-3-----	Dimethylphthalate	3800	U	
208-96-8-----	Acenaphthylene	3800	U	
606-20-2-----	2,6-Dinitrotoluene	3800	U	
99-09-2-----	3-Nitroaniline	9100	U	
83-32-9-----	Acenaphthene	3800	U	

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0617E11

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	9100	U
100-02-7-----	4-Nitrophenol	9100	U
132-64-9-----	Dibenzofuran	3800	U
121-14-2-----	2,4-Dinitrotoluene	3800	U
84-66-2-----	Diethylphthalate	3800	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	3800	U
86-73-7-----	Fluorene	3800	U
100-01-6-----	4-Nitroaniline	9100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	9100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	3800	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	3800	U
118-74-1-----	Hexachlorobenzene	3800	U
87-86-5-----	Pentachlorophenol	7600	J
85-01-8-----	Phenanthrene	3800	U
120-12-7-----	Anthracene	3800	U
86-74-8-----	Carbazole	3800	U
84-74-2-----	Di-N-Butylphthalate	3800	U
206-44-0-----	Fluoranthene	3800	U
129-00-0-----	Pyrene	3800	U
85-68-7-----	Butylbenzylphthalate	46000	E
91-94-1-----	3,3'-Dichlorobenzidine	3800	U
56-55-3-----	Benzo(a)Anthracene	3800	U
218-01-9-----	Chrysene	3800	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	3800	U
117-84-0-----	Di-n-Octylphthalate	3800	U
205-99-2-----	Benzo(b)Fluoranthene	3800	U
207-08-9-----	Benzo(k)Fluoranthene	3800	U
50-32-8-----	Benzo(a)pyrene	3800	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	3800	U
53-70-3-----	Dibenzo(a,h)Anthracene	3800	U
191-24-2-----	Benzo(g,h,i)Perylene	3800	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0617E11

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/17/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:

Number TICs found: 26

(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.77	19000	NJABU
2.	UNKNOWN	8.96	1400	J
3. 80-56-8	.ALPHA.-PINENE	12.25	2000	NJ
4. 62-53-3	ANILINE	13.70	2700	NJ
5.	UNKNOWN ALIP. HYDROCARBON	14.56	2500	J
6.	UNKNOWN	15.33	1000	J
7. 104-76-7	2-ETHYL-1-HEXANOL	15.54	45000	NJ
8.	UNKNOWN ALIP. HYDROCARBON	17.86	1900	J
9.	UNKNOWN	18.08	1100	J
10. 95-51-2	2-CHLOROANILINE	18.72	1200	NJ
11. 98-55-5	.ALPHA.-TERPINEOL	20.47	6800	NJ
12. 579-66-8	2,6-DIETHYLBENZENAMINE	23.43	1500	NJ
13.	UNKNOWN	24.86	150000	J
14.	UNKNOWN	27.16	14000	J
15.	UNKNOWN ALIP. HYDROCARBON	27.25	6100	J
16.	UNKNOWN ALIP. HYDROCARBON	27.34	4800	J
17.	UNKNOWN ALIP. HYDROCARBON	27.42	6800	J
18.	UNKNOWN ALIP. HYDROCARBON	27.54	8600	J
19.	UNKNOWN ALIP. HYDROCARBON	27.99	29000	J
20.	UNKNOWN	28.74	8900	J
21.	UNKNOWN ALIP. HYDROCARBON	29.44	6200	J
22.	UNKNOWN ALIP. HYDROCARBON	29.53	2800	J
23.	UNKNOWN ALIP. HYDROCARBON	30.07	16000	J
24.	UNKNOWN ALIP. HYDROCARBON	30.33	5400	J
25.	UNKNOWN	30.44	5600	J
26.	UNKNOWN ALIP. HYDROCARBON	30.84	23000	J
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113DL

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPF LD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0618E04

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----	Phenol	65000	D
111-44-4-----	bis(2-Chloroethyl) Ether	19000	U
95-57-8-----	2-Chlorophenol	19000	U
541-73-1-----	1,3-Dichlorobenzene	19000	U
106-46-7-----	1,4-Dichlorobenzene	6600	DJ
95-50-1-----	1,2-Dichlorobenzene	19000	U
95-48-7-----	2-Methylphenol	19000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	19000	U
106-44-5-----	4-Methylphenol	4400	DJ
621-64-7-----	N-Nitroso-Di-N-Propylamine	19000	U
67-72-1-----	Hexachloroethane	19000	U
98-95-3-----	Nitrobenzene	19000	U
78-59-1-----	Isophorone	19000	U
88-75-5-----	2-Nitrophenol	19000	U
105-67-9-----	2,4-Dimethyphenol	19000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	19000	U
120-83-2-----	2,4-Dichlorophenol	19000	U
120-82-1-----	1,2,4-Trichlorobenzene	19000	U
91-20-3-----	Naphthalene	19000	U
106-47-8-----	4-Chloroaniline	25000	D
87-68-3-----	Hexachlorobutadiene	19000	U
59-50-7-----	4-Chloro-3-Methylphenol	19000	U
91-57-6-----	2-Methylnaphthalene	19000	U
77-47-4-----	Hexachlorocyclopentadiene	19000	U
88-06-2-----	2,4,6-Trichlorophenol	19000	U
95-95-4-----	2,4,5-Trichlorophenol	46000	U
91-58-7-----	2-Chloronaphthalene	19000	U
88-74-4-----	2-Nitroaniline	46000	U
131-11-3-----	Dimethylphthalate	19000	U
208-96-8-----	Acenaphthylene	19000	U
606-20-2-----	2,6-Dinitrotoluene	19000	U
99-09-2-----	3-Nitroaniline	46000	U
83-32-9-----	Acenaphthene	19000	U

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113DL

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G Lab File ID: H0618E04

Level: (low/med) LOW Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

CAS NO.	COMPOUND			
51-28-5-----	2,4-Dinitrophenol	46000	U	
100-02-7-----	4-Nitrophenol	46000	U	
132-64-9-----	Dibenzofuran	19000	U	
121-14-2-----	2,4-Dinitrotoluene	19000	U	
84-66-2-----	Diethylphthalate	19000	U	
7005-72-3-----	4-Chlorophenyl Phenyl Ether	19000	U	
86-73-7-----	Fluorene	19000	U	
100-01-6-----	4-Nitroaniline	46000	U	
534-52-1-----	4,6-Dinitro-2-methylphenol	46000	U	
86-30-6-----	N-Nitrosodiphenylamine (1)	19000	U	
101-55-3-----	4-Bromophenyl-Phenyl Ether	19000	U	
118-74-1-----	Hexachlorobenzene	19000	U	
87-86-5-----	Pentachlorophenol	4800	DJ	
85-01-8-----	Phenanthrene	19000	U	
120-12-7-----	Anthracene	19000	U	
86-74-8-----	Carbazole	19000	U	
84-74-2-----	Di-N-Butylphthalate	19000	U	
206-44-0-----	Fluoranthene	19000	U	
129-00-0-----	Pyrene	19000	U	
85-68-7-----	Butylbenzylphthalate	49000	D	
91-94-1-----	3,3'-Dichlorobenzidine	19000	U	
56-55-3-----	Benzo(a)Anthracene	19000	U	
218-01-9-----	Chrysene	19000	U	
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	19000	U	
117-84-0-----	Di-n-Octylphthalate	19000	U	
205-99-2-----	Benzo(b)Fluoranthene	19000	U	
207-08-9-----	Benzo(k)Fluoranthene	19000	U	
50-32-8-----	Benzo(a)pyrene	19000	U	
193-39-5-----	Indeno(1,2,3-cd) Pyrene	19000	U	
53-70-3-----	Dibenzo(a,h)Anthracene	19000	U	
191-24-2-----	Benzo(g,h,i)Perylene	19000	U	

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113DL

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905816

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: H0618E04

Level: (low/med) LOW

Date Received: 05/27/99

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.65	17000	NJABD
2. 104-76-7	2-ETHYL-1-HEXANOL	15.43	31000	NJD
3. 98-55-5	.ALPHA.-TERPINEOL	20.41	6000	NJD
4.	UNKNOWN	24.77	240000	JD
5.	UNKNOWN ALIP. HYDROCARBON	27.11	25000	JD
6.	UNKNOWN ALIP. HYDROCARBON	27.29	4900	JD
7.	UNKNOWN ALIP. HYDROCARBON	27.37	8700	JD
8.	UNKNOWN ALIP. HYDROCARBON	27.49	10000	JD
9.	UNKNOWN ALIP. HYDROCARBON	27.93	41000	JD
10. 88-19-7	2-METHYLBENZENESULFONAMIDE	28.46	21000	NJD
11.	UNKNOWN	28.69	17000	JD
12. 70-55-3	4-METHYLBENZENESULFONAMIDE	29.08	58000	NJD
13.	UNKNOWN ALIP. HYDROCARBON	29.40	9700	JD
14.	UNKNOWN ALIP. HYDROCARBON	30.01	25000	JD
15.	UNKNOWN ALIP. HYDROCARBON	30.28	8800	JD
16.	UNKNOWN ALIP. HYDROCARBON	30.39	9300	JD
17.	UNKNOWN ALIP. HYDROCARBON	30.77	44000	JD
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKSL1

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905802

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: H0616E09

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1, 3-Dichlorobenzene	330	U
106-46-7-----	1, 4-Dichlorobenzene	330	U
95-50-1-----	1, 2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2, 2'-Oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2, 4-Dimethyphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2, 4-Dichlorophenol	330	U
120-82-1-----	1, 2, 4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2, 4, 6-Trichlorophenol	330	U
95-95-4-----	2, 4, 5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2, 6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	330	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905802

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: H0616E09

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-N-Butylphthalate	69	J
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octylphthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenzo(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905802

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: H0616E09

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 05/27/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	200	J
2.	UNKNOWN	7.75	36	J
3.	UNKNOWN	7.82	78	J
4.	UNKNOWN	8.39	41	J
5.	UNKNOWN ALIP. HYDROCARBON	8.64	80	J
6. 123-42-2	2 PENTANONE, 4HYDROXY-4METHYL	8.86	8000	NJA
7.	UNKNOWN	9.39	130	J
8.	UNKNOWN	11.25	42	J
9.	UNKNOWN	12.58	200	J
10.	UNKNOWN	14.66	98	J
11.	UNKNOWN	16.05	59	J
12.	UNKNOWN	16.27	64	J
13.	UNKNOWN ALIP. ACID	27.32	140	J
14.	UNKNOWN ALIP. ACID	32.84	120	J
15.	UNKNOWN	38.80	37	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: H0616E10

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethyphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	330	U

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: H0616E10

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 06/02/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-N-Butylphthalate	43	J
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	Bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octylphthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenzo(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSL2

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D906032	
Sample wt/vol: 30.0 (g/mL) G	Lab File ID: H0616E10	
Level: (low/med) LOW	Date Received: _____	
% Moisture: _____ decanted: (Y/N) _____	Date Extracted: 06/02/99	
Concentrated Extract Volume: 500 (uL)	Date Analyzed: 06/16/99	
Injection Volume: 2.0 (uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) N	pH: 7.0	

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.21	170	J
2.	UNKNOWN	7.83	82	J
3.	UNKNOWN	8.38	36	J
4. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.85	7300	NJA
5.	UNKNOWN	9.39	120	J
6.	UNKNOWN	11.25	44	J
7.	UNKNOWN	12.58	200	J
8.	UNKNOWN	14.65	94	J
9.	UNKNOWN	16.06	36	J
10.	UNKNOWN	16.27	55	J
11.	UNKNOWN ALIP. ACID	27.32	230	J
12.	UNKNOWN ALIP. ACID	32.84	130	J
13.	UNKNOWN ALIP. ACID ESTER	38.79	100	J
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSM

Lab Code: SPF LD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906037

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: H0616E11

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

Q

108-95-2-----	Phenol	10000	U
111-44-4-----	bis(2-Chloroethyl) Ether	10000	U
95-57-8-----	2-Chlorophenol	10000	U
541-73-1-----	1,3-Dichlorobenzene	10000	U
106-46-7-----	1,4-Dichlorobenzene	10000	U
95-50-1-----	1,2-Dichlorobenzene	10000	U
95-48-7-----	2-Methylphenol	10000	U
108-60-1-----	2,2'-Oxybis(1-Chloropropane)	10000	U
106-44-5-----	4-Methylphenol	10000	U
621-64-7-----	N-Nitroso-Di-N-Propylamine	10000	U
67-72-1-----	Hexachloroethane	10000	U
98-95-3-----	Nitrobenzene	10000	U
78-59-1-----	Isophorone	10000	U
88-75-5-----	2-Nitrophenol	10000	U
105-67-9-----	2,4-Dimethyphenol	10000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	10000	U
120-83-2-----	2,4-Dichlorophenol	10000	U
120-82-1-----	1,2,4-Trichlorobenzene	10000	U
91-20-3-----	Naphthalene	10000	U
106-47-8-----	4-Chloroaniline	10000	U
87-68-3-----	Hexachlorobutadiene	10000	U
59-50-7-----	4-Chloro-3-Methylphenol	10000	U
91-57-6-----	2-Methylnaphthalene	10000	U
77-47-4-----	Hexachlorocyclopentadiene	10000	U
88-06-2-----	2,4,6-Trichlorophenol	10000	U
95-95-4-----	2,4,5-Trichlorophenol	25000	U
91-58-7-----	2-Chloronaphthalene	10000	U
88-74-4-----	2-Nitroaniline	25000	U
131-11-3-----	Dimethylphthalate	10000	U
208-96-8-----	Acenaphthylene	10000	U
606-20-2-----	2,6-Dinitrotoluene	10000	U
99-09-2-----	3-Nitroaniline	25000	U
83-32-9-----	Acenaphthene	10000	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSM

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906037

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: H0616E11

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 06/03/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
---------	----------	--	---

51-28-5-----	2, 4-Dinitrophenol	25000	U
100-02-7-----	4-Nitrophenol	25000	U
132-64-9-----	Dibenzofuran	10000	U
121-14-2-----	2, 4-Dinitrotoluene	10000	U
84-66-2-----	Diethylphthalate	10000	U
7005-72-3-----	4-Chlorophenyl Phenyl Ether	10000	U
86-73-7-----	Fluorene	10000	U
100-01-6-----	4-Nitroaniline	25000	U
534-52-1-----	4, 6-Dinitro-2-methylphenol	25000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10000	U
101-55-3-----	4-Bromophenyl-Phenyl Ether	10000	U
118-74-1-----	Hexachlorobenzene	10000	U
87-86-5-----	Pentachlorophenol	25000	U
85-01-8-----	Phenanthrene	10000	U
120-12-7-----	Anthracene	10000	U
86-74-8-----	Carbazole	10000	U
84-74-2-----	Di-N-Butylphthalate	10000	U
206-44-0-----	Fluoranthene	10000	U
129-00-0-----	Pyrene	10000	U
85-68-7-----	Butylbenzylphthalate	10000	U
91-94-1-----	3, 3'-Dichlorobenzidine	10000	U
56-55-3-----	Benzo(a) Anthracene	10000	U
218-01-9-----	Chrysene	10000	U
117-81-7-----	Bis(2-Ethylhexyl) Phthalate	3000	J
117-84-0-----	Di-n-Octylphthalate	10000	U
205-99-2-----	Benzo(b) Fluoranthene	10000	U
207-08-9-----	Benzo(k) Fluoranthene	10000	U
50-32-8-----	Benzo(a) pyrene	10000	U
193-39-5-----	Indeno(1, 2, 3-cd) Pyrene	10000	U
53-70-3-----	Dibenzo(a, h) Anthracene	10000	U
191-24-2-----	Benzo(g, h, i) Perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1F  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

SBLKSM

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906037

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: H0616E11

Level: (low/med) MED

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 06/03/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/G

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2PENTANONE, 4HYDROXY-4METHYL	8.72	3400	NJA
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

2F  
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

GC Column(1): DB-608

ID: 0.53 (mm)

GC Column(2): DB-1701

ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX %REC #	TCX %REC #	DCB %REC #	DCB %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	39*	45*	123	123			2
02	PBLKS2	77	85	115	115			0
03	X110MS	56*	62	120	120			1
04	X110MSD	50*	56*	107	107			2
05	X109	53*	60	120	120			1
06	X110	63	63	133	133			0
07	X101	78	78	122	117			0
08	X102	75	75	115	115			0
09	X106	75	75	119	112			0
10	X108	76	76	124	124			0
11	X105	78	89	667*	611*			2
12	X112	59*	59*	112	106			2
13	X107DL	1400D	0D	1267D	1200D			0
14	X113DL	340D	127	207D	173D			0
15	X103	119	106	562D	750D			0
16	X103DL	281D	57D	875D	612D			0
17	X111DL	190D	90	8000D	7500D			0
18	X104	4273D	254D	33636D	4545D			0
19	X107	627*	0*	1200*	933*			4
20	X113	127	93	153*	147			1
21	X111	130	70	0*	1250*			2
22	X104DL	0D	0D	26818D	0D			0
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY  
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (60-150)  
S2 (DCB) = Decachlorobiphenyl (60-150)

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

000110

3F  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix Spike - EPA Sample No.: X110

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	19	0.0	13	68	46-127
Heptachlor	19	0.0	13	68	35-130
Aldrin	19	0.0	13	68	34-132
Dieldrin	39	0.0	39	100	31-134
Endrin	39	0.0	41	105	42-139
4,4'-DDT	39	0.0	43	110	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	MSD % RPD #	QC RPD	LIMITS REC.
gamma-BHC (Lindane)	19	12	63	8	50	46-127
Heptachlor	19	12	63	8	31	35-130
Aldrin	19	11	58	16	43	34-132
Dieldrin	39	33	85	16	38	31-134
Endrin	39	35	90	15	45	42-139
4,4'-DDT	39	37	95	15	50	23-134

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS: \_\_\_\_\_

4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

PBLKS1

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Lab Sample ID: D905907

Lab File ID: HP11A018

Matrix (soil/water) SOIL

Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N

Date Extracted: 05/28/99

Date Analyzed (1): 06/08/99

Date Analyzed (2): 06/08/99

Time Analyzed (1): 2027

Time Analyzed (2): 2108

Instrument ID (1): HP11A

Instrument ID (2): HP11B

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): DB-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	X110MS	D905906	06/08/99	06/08/99
02	X110MSD	D905906R	06/08/99	06/08/99
03	X109	D905811	06/08/99	06/08/99
04	X110	D905812	06/08/99	06/09/99
05	X107DL	D905815D	06/09/99	06/09/99
06	X113DL	D905816D	06/09/99	06/09/99
07	X103	D905817D	06/09/99	06/09/99
08	X103DL	D905817DD	06/09/99	06/09/99
09	X111DL	D905820D	06/09/99	06/09/99
10	X104	905819DDD	06/09/99	06/09/99
11	X107	D905815	06/10/99	06/10/99
12	X113	D905816	06/10/99	06/10/99
13	X111	D905820	06/10/99	06/10/99
14	X104DL	05819DDDD	06/10/99	06/10/99
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

\_\_\_\_\_

4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

PBLKS2

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Lab Sample ID: D906035 Lab File ID: HP11A019

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) N Date Extracted: 06/03/99

Date Analyzed (1): 06/08/99 Date Analyzed (2): 06/08/99

Time Analyzed (1): 2108 Time Analyzed (2): 2149

Instrument ID (1): HP11A Instrument ID (2): HP11B

GC Column (1): DB-608 ID: 0.53 (mm) GC Column (2): DB-1701 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	X101	D905738	06/09/99	06/09/99
02	X102	D905739	06/09/99	06/09/99
03	X106	D905740	06/09/99	06/09/99
04	X108	D905741	06/09/99	06/09/99
05	X105	D905949	06/09/99	06/09/99
06	X112	D905950	06/09/99	06/09/99
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X101

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905738

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A024

% Moisture: 27 decanted: (Y/N) N

Date Received: 05/26/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.5

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	2.3	U	
319-85-7-----	beta-BHC	2.3	U	
319-86-8-----	delta-BHC	0.79	JP/	
58-89-9-----	gamma-BHC (Lindane)	2.3	U	
76-44-8-----	Heptachlor	2.3	U	
309-00-2-----	Aldrin	2.3	U	
1024-57-3-----	Heptachlor epoxide	2.3	U	
959-98-8-----	Endosulfan I	2.3	JP 4	ST 110/03
60-57-1-----	Dieldrin	4.5	U	
72-55-9-----	4,4'-DDE	3.4	JB✓	
72-20-8-----	Endrin	4.5	U	
33213-65-9-----	Endosulfan II	4.5	U	
72-54-8-----	4,4'-DDD	4.5	U	
1031-07-8-----	Endosulfan sulfate	4.5	U	
50-29-3-----	4,4'-DDT	4.5	JP 4	
72-43-5-----	Methoxychlor	23	U	
53494-70-5-----	Endrin ketone	4.5	U	
7421-36-3-----	Endrin aldehyde	2.0	JP✓	
5103-71-9-----	alpha-Chlordane	2.3	U	
5103-74-2-----	gamma-Chlordane	2.3	U	
8001-35-2-----	Toxaphene	230	U	
12674-11-2-----	Aroclor-1016	18	J	
11104-28-2-----	Aroclor-1221	91	U	
1114-16-5-----	Aroclor-1232	22	J	
53469-21-9-----	Aroclor-1242	28	JP/	
12672-29-6-----	Aroclor-1248	110	PJ	
11097-69-1-----	Aroclor-1254	85		
11096-82-5-----	Aroclor-1260	33	JP✓	

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X102

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905739

Sample wt/vol: 30.1 (g/mL) G Lab File ID: HP11A025

% Moisture: 35 decanted: (Y/N) N Date Received: 05/26/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/03/99

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	2.4	0.20	JP U
319-85-7-----	beta-BHC	2.6	U	
319-86-8-----	delta-BHC	2.6	U	
58-89-9-----	gamma-BHC (Lindane)	2.6	U	
76-44-8-----	Heptachlor	2.4	0.38	JP U
309-00-2-----	Aldrin	2.6	U	
1024-57-3-----	Heptachlor epoxide	2.6	U	
959-98-8-----	Endosulfan I	2.6	U	
60-57-1-----	Dieldrin	5.1	0.39	JP U
72-55-9-----	4,4'-DDE	5.1	0.22	JP U
72-20-8-----	Endrin	5.1	1.0	JP U
33213-65-9-----	Endosulfan II	5.1	0.089	JP U
72-54-8-----	4,4'-DDD	5.1	0.85	JP U
1031-07-8-----	Endosulfan sulfate	5.1	5.1	U
50-29-3-----	4,4'-DDT		0.86	J
72-43-5-----	Methoxychlor		26	U
53494-70-5-----	Endrin ketone		5.1	U
7421-36-3-----	Endrin aldehyde	5.1	0.15	JP U
5103-71-9-----	alpha-Chlordane		2.6	U
5103-74-2-----	gamma-Chlordane	2.6	0.16	JP U
8001-35-2-----	Toxaphene		260	U
12674-11-2-----	Aroclor-1016		51	U
11104-28-2-----	Aroclor-1221		100	U
1114-16-5-----	Aroclor-1232		51	U
53469-21-9-----	Aroclor-1242		51	U
12672-29-6-----	Aroclor-1248		51	U
11097-69-1-----	Aroclor-1254		4.8	J
11096-82-5-----	Aroclor-1260		5.4	J

ST  
11/01/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905817D

Sample wt/vol: 30.6 (g/mL) G Lab File ID: HP11A044

% Moisture: 18 decanted: (Y/N) N Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC		20	U
319-85-7-----beta-BHC		20	U
319-86-8-----delta-BHC		68	PJ
58-89-9-----gamma-BHC (Lindane)		55	PJ
76-44-8-----Heptachlor		20	U
309-00-2-----Aldrin		20	U
1024-57-3-----Heptachlor epoxide		20	U
959-98-8-----Endosulfan I		24	PJ
60-57-1-----Dieldrin		40	U
72-55-9-----4,4'-DDE		320	B/
72-20-8-----Endrin		40	U
33213-65-9-----Endosulfan II		40	U
72-54-8-----4,4'-DDD		340	PJ
1031-07-8-----Endosulfan sulfate		59	PJ
50-29-3-----4,4'-DDT		48	PJ
72-43-5-----Methoxychlor		200	U
53494-70-5-----Endrin ketone		40	U
7421-36-3-----Endrin aldehyde		87	PJ
5103-71-9-----alpha-Chlordane		20	U
5103-74-2-----gamma-Chlordane		23	PJ
8001-35-2-----Toxaphene		2000	U
12674-11-2-----Aroclor-1016		5200	
11104-28-2-----Aroclor-1221		800	U
1114-16-5-----Aroclor-1232		10000	
53469-21-9-----Aroclor-1242		8000	
12672-29-6-----Aroclor-1248		8900	
11097-69-1-----Aroclor-1254		7100	
11096-82-5-----Aroclor-1260		400	U

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X103DL

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905817DD

Sample wt/vol: 30.6 (g/mL) G Lab File ID: HP11A045

% Moisture: 18 decanted: (Y/N) N Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 9.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC	200	U
319-85-7-----beta-BHC	200	U
319-86-8-----delta-BHC	56	DJP ✓
58-89-9-----gamma-BHC (Lindane)	200	U
76-44-8-----Heptachlor	200	U
309-00-2-----Aldrin	200	U
1024-57-3-----Heptachlor epoxide	200	U
959-98-8-----Endosulfan I	200	DJP U
60-57-1-----Dieldrin	400	U
72-55-9-----4,4'-DDE	270	DJP,
72-20-8-----Endrin	400	U
33213-65-9-----Endosulfan II	440	D
72-54-8-----4,4'-DDD	250	DJP ✓
1031-07-8-----Endosulfan sulfate	400	DJP U
50-29-3-----4,4'-DDT	400	DJP U
72-43-5-----Methoxychlor	2000	U
53494-70-5-----Endrin ketone	400	U
7421-36-3-----Endrin aldehyde	400	U
5103-71-9-----alpha-Chlordane	200	U
5103-74-2-----gamma-Chlordane	200	U
8001-35-2-----Toxaphene	20000	U
12674-11-2-----Aroclor-1016	6100	D
11104-28-2-----Aroclor-1221	8000	U
1114-16-5-----Aroclor-1232	12000	D
53469-21-9-----Aroclor-1242	9300	DJP
12672-29-6-----Aroclor-1248	9000	D
11097-69-1-----Aroclor-1254	8900	D
11096-82-5-----Aroclor-1260	10000	DJP

ST  
11/10/01

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: 905819DDD

Sample wt/vol: 2.2 (g/mL) G

Lab File ID: HP11A056

% Moisture: 18 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 10.8

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC		28000	U
319-85-7-----beta-BHC		28000	U
319-86-8-----delta-BHC		28000	U
58-89-9-----gamma-BHC (Lindane)		28000	U
76-44-8-----Heptachlor		28000	U
309-00-2-----Aldrin		28000	U
1024-57-3-----Heptachlor epoxide		28000	U
959-98-8-----Endosulfan I		28000	U
60-57-1-----Dieldrin		54000	U
72-55-9-----4,4'-DDE		730000	PJ B✓
72-20-8-----Endrin		54000	U
33213-65-9-----Endosulfan II		54000	U
72-54-8-----4,4'-DDD		54000	U
1031-07-8-----Endosulfan sulfate		54000	U
50-29-3-----4,4'-DDT		53000	JP✓
72-43-5-----Methoxychlor		280000	U
53494-70-5-----Endrin ketone		54000	U
7421-36-3-----Endrin aldehyde		54000	U
5103-71-9-----alpha-Chlordane		28000	U
5103-74-2-----gamma-Chlordane		28000	U
8001-35-2-----Toxaphene		2800000	U
12674-11-2-----Aroclor-1016		5400000	
11104-28-2-----Aroclor-1221		1100000	U
1114-16-5-----Aroclor-1232		8800000	
53469-21-9-----Aroclor-1242		8500000	PJ
12672-29-6-----Aroclor-1248		25000000	
11097-69-1-----Aroclor-1254		17000000	
11096-82-5-----Aroclor-1260		8100000	PJ

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X104DL

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: 05819DDDD	
Sample wt/vol: 2.2 (g/mL) G	Lab File ID: HP11A074	
% Moisture: 18	decanted: (Y/N) N	Date Received: 05/27/99
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: 05/28/99	
Concentrated Extract Volume: 5000 (uL)	Date Analyzed: 06/10/99	
Injection Volume: 1.0 (uL)	Dilution Factor: 10000.0	
GPC Cleanup: (Y/N) Y	pH: 10.8	Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	280000	U	
319-85-7-----	beta-BHC	280000	U	
319-86-8-----	delta-BHC	280000	U	
58-89-9-----	gamma-BHC (Lindane)	280000	U	
76-44-8-----	Heptachlor	280000	U	
309-00-2-----	Aldrin	280000	U	
1024-57-3-----	Heptachlor epoxide	280000	U	
959-98-8-----	Endosulfan I	100000	DJP✓	
60-57-1-----	Dieldrin	540000	U	ST
72-55-9-----	4,4'-DDE	660000	DPJ&✓	i 16 b3
72-20-8-----	Endrin	540000	U	
33213-65-9-----	Endosulfan II	540000	U	
72-54-8-----	4,4'-DDD	540000	U	
1031-07-8-----	Endosulfan sulfate	16000	DJP✓	
50-29-3-----	4,4'-DDT	74000	DJP✓	
72-43-5-----	Methoxychlor	2800000	U	
53494-70-5-----	Endrin ketone	540000	U	
7421-36-3-----	Endrin aldehyde	540000	U	
5103-71-9-----	alpha-Chlordane	280000	U	
5103-74-2-----	gamma-Chlordane	280000	U	
8001-35-2-----	Toxaphene	28000000	U	
12674-11-2-----	Aroclor-1016	6300000	DPJ	
11104-28-2-----	Aroclor-1221	11000000	U	
1114-16-5-----	Aroclor-1232	10000000	D	
53469-21-9-----	Aroclor-1242	9900000	DPJ	
12672-29-6-----	Aroclor-1248	33000000	DPJ	
11097-69-1-----	Aroclor-1254	23000000	D	
11096-82-5-----	Aroclor-1260	8300000	DPJ	

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA

Contract: 1631210001

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905949

Sample wt/vol: 30.1 (g/mL) G Lab File ID: HP11A033

% Moisture: 25 decanted: (Y/N) N Date Received: 05/28/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q

319-84-6-----	alpha-BHC	2.20	47	JP	4
319-85-7-----	beta-BHC	2.2		U	
319-86-8-----	delta-BHC	2.20	40	JP	4
58-89-9-----	gamma-BHC (Lindane)	2.2		U	
76-44-8-----	Heptachlor	2.2		U	
309-00-2-----	Aldrin	2.2		U	
1024-57-3-----	Heptachlor epoxide	2.2		U	
959-98-8-----	Endosulfan I	3.0		PJ	
60-57-1-----	Dieldrin	4.4		U	
72-55-9-----	4,4'-DDE	12		PJ	B✓
72-20-8-----	Endrin	1.2		JP	✓
33213-65-9-----	Endosulfan II	12			
72-54-8-----	4,4'-DDD	4.4		U	
1031-07-8-----	Endosulfan sulfate	1.5		JP	✓
50-29-3-----	4,4'-DDT	5.2		PJ	
72-43-5-----	Methoxychlor	22		U	
53494-70-5-----	Endrin ketone	4.4		U	
7421-36-3-----	Endrin aldehyde	20			
5103-71-9-----	alpha-Chlordane	2.2		U	
5103-74-2-----	gamma-Chlordane	2.2		U	
8001-35-2-----	Toxaphene	220		U	
12674-11-2-----	Aroclor-1016	82		PJ	
11104-28-2-----	Aroclor-1221	89		U	
1114-16-5-----	Aroclor-1232	160			
53469-21-9-----	Aroclor-1242	180			
12672-29-6-----	Aroclor-1248	210			
11097-69-1-----	Aroclor-1254	490			
11096-82-5-----	Aroclor-1260	250		PJ	

ST  
110163

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X106

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905740

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A031

% Moisture: 16 decanted: (Y/N) N

Date Received: 05/26/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG

319-84-6-----	alpha-BHC	2.0	U
319-85-7-----	beta-BHC	2.0	U
319-86-8-----	delta-BHC	2.0	U
58-89-9-----	gamma-BHC (Lindane)	2.0	U
76-44-8-----	Heptachlor	2.0	U
309-00-2-----	Aldrin	2.0	U
1024-57-3-----	Heptachlor epoxide	2.0	U
959-98-8-----	Endosulfan I	2.0	U
60-57-1-----	Dieldrin	3.9	0.061 JP U
72-55-9-----	4,4'-DDE	3.9	0.61 JP U
72-20-8-----	Endrin	3.9	0.52 JP U
33213-65-9-----	Endosulfan II	3.9	0.33 JP U
72-54-8-----	4,4'-DDD	0.98	J
1031-07-8-----	Endosulfan sulfate	3.9	U
50-29-3-----	4,4'-DDT	3.9	0.71 JP U
72-43-5-----	Methoxychlor	20	U
53494-70-5-----	Endrin ketone	3.9	U
7421-36-3-----	Endrin aldehyde	3.9	0.91 JP U
5103-71-9-----	alpha-Chlordane	2.0	U
5103-74-2-----	gamma-Chlordane	2.00	0.021 JP U
8001-35-2-----	Toxaphene	200	U
12674-11-2-----	Aroclor-1016	39	U
11104-28-2-----	Aroclor-1221	80	U
1114-16-5-----	Aroclor-1232	39	U
53469-21-9-----	Aroclor-1242	39	U
12672-29-6-----	Aroclor-1248	39	U
11097-69-1-----	Aroclor-1254	11	J
11096-82-5-----	Aroclor-1260	12	J

ST  
11/01/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905815

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A061

% Moisture: 12 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPFF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/10/99

Injection Volume: 1.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 9.9

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC	19	U
319-85-7-----beta-BHC	19	U
319-86-8-----delta-BHC	19	U
58-89-9-----gamma-BHC (Lindane)	19	U
76-44-8-----Heptachlor	19	U
309-00-2-----Aldrin	19	U
1024-57-3-----Heptachlor epoxide	19	U
959-98-8-----Endosulfan I	440	PJ
60-57-1-----Dieldrin	37	U
72-55-9-----4,4'-DDE	210	PJ $\beta$ , ✓
72-20-8-----Endrin	37	U
33213-65-9-----Endosulfan II	320	_____
72-54-8-----4,4'-DDD	37	U
1031-07-8-----Endosulfan sulfate	37	U
50-29-3-----4,4'-DDT	37	2.7 PJ U
72-43-5-----Methoxychlor	190	U
53494-70-5-----Endrin ketone	37	U
7421-36-3-----Endrin aldehyde	37	U
5103-71-9-----alpha-Chlordane	19	U
5103-74-2-----gamma-Chlordane	19	U
8001-35-2-----Toxaphene	1900	U
12674-11-2-----Aroclor-1016	370	U
11104-28-2-----Aroclor-1221	760	U
1114-16-5-----Aroclor-1232	370	U
53469-21-9-----Aroclor-1242	370	U
12672-29-6-----Aroclor-1248	4400	_____
11097-69-1-----Aroclor-1254	5900	PJ
11096-82-5-----Aroclor-1260	370	U

ST  
11/10/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X107DL

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905815D

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A039

% Moisture: 12 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 9.9

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6-----	alpha-BHC	190	U
319-85-7-----	beta-BHC	190	U
319-86-8-----	delta-BHC	190	U
58-89-9-----	gamma-BHC (Lindane)	190	U
76-44-8-----	Heptachlor	190	U
309-00-2-----	Aldrin	190	U
1024-57-3-----	Heptachlor epoxide	190	U
959-98-8-----	Endosulfan I	420	DPJ
60-57-1-----	Dieldrin	370	U
72-55-9-----	4,4'-DDE	160	DJPB
72-20-8-----	Endrin	370	U
33213-65-9-----	Endosulfan II	380	DPJ
72-54-8-----	4,4'-DDD	370	U
1031-07-8-----	Endosulfan sulfate	370	74 DJP U
50-29-3-----	4,4'-DDT	370	1.5 DJP 4
72-43-5-----	Methoxychlor	1900	U
53494-70-5-----	Endrin ketone	370	U
7421-36-3-----	Endrin aldehyde	200	DJP✓
5103-71-9-----	alpha-Chlordane	190	U
5103-74-2-----	gamma-Chlordane	190	U
8001-35-2-----	Toxaphene	19000	U
12674-11-2-----	Aroclor-1016	3700	U
11104-28-2-----	Aroclor-1221	7600	U
1114-16-5-----	Aroclor-1232	3700	U
53469-21-9-----	Aroclor-1242	3700	U
12672-29-6-----	Aroclor-1248	3700	U
11097-69-1-----	Aroclor-1254	9800	D
11096-82-5-----	Aroclor-1260	9600	DPJ

8P  
11/16/63

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X108

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905741

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A032

% Moisture: 20 decanted: (Y/N) N

Date Received: 05/26/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	0.15 JP 4
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	0.070 JP 4
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	0.20 JP 4
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
72-54-8-----	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-36-3-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	84	U
1114-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	7.6	J
11096-82-5-----	Aroclor-1260	41	5.8 JP 4

ST  
110103

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X109

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905811

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A022

% Moisture: 14 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6-----	alpha-BHC	2.0	U
319-85-7-----	beta-BHC	2.0	U
319-86-8-----	delta-BHC	2.0	U
58-89-9-----	gamma-BHC (Lindane)	2.0	U
76-44-8-----	Heptachlor	2.0	U
309-00-2-----	Aldrin	2.0	U
1024-57-3-----	Heptachlor epoxide	2.0	U
959-98-8-----	Endosulfan I	2.0 0.089	JP 4
60-57-1-----	Dieldrin	3.8 0.15	JP 4
72-55-9-----	4,4'-DDE	3.8 0.17	JP 4
72-20-8-----	Endrin	3.8	U
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8	U
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	3.8 0.095	JP 4
72-43-5-----	Methoxychlor	20	U
53494-70-5-----	Endrin ketone	3.8	U
7421-36-3-----	Endrin aldehyde	3.8 0.10	JP 4
5103-71-9-----	alpha-Chlordane	2.0	U
5103-74-2-----	gamma-Chlordane	2.0	U
8001-35-2-----	Toxaphene	200	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	78	U
1114-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	38	U
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38 3.9	JP 4
11096-82-5-----	Aroclor-1260	38	U

ST  
110103

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905812

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A023

% Moisture: 14 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	2.0	U	
319-85-7-----	beta-BHC	2.0	U	
319-86-8-----	delta-BHC	2.0	U	
58-89-9-----	gamma-BHC (Lindane)	2.0	U	
76-44-8-----	Heptachlor	2.0	U	
309-00-2-----	Aldrin	2.0	U	
1024-57-3-----	Heptachlor epoxide	2.0	U	
959-98-8-----	Endosulfan I	2.0	JP 4	
60-57-1-----	Dieldrin	3.8	U	
72-55-9-----	4, 4'-DDE	3.8	JP 4	
72-20-8-----	Endrin	3.8	U	
33213-65-9-----	Endosulfan II	3.8	U	
72-54-8-----	4, 4'-DDD	3.8	U	
1031-07-8-----	Endosulfan sulfate	3.8	U	
50-29-3-----	4, 4'-DDT	3.8	U	
72-43-5-----	Methoxychlor	20	U	
53494-70-5-----	Endrin ketone	3.8	U	
7421-36-3-----	Endrin aldehyde	3.8	JP 4	
5103-71-9-----	alpha-Chlordane	2.0	U	
5103-74-2-----	gamma-Chlordane	2.0	U	
8001-35-2-----	Toxaphene	200	U	
12674-11-2-----	Aroclor-1016	38	U	
11104-28-2-----	Aroclor-1221	78	U	
1114-16-5-----	Aroclor-1232	38	U	
53469-21-9-----	Aroclor-1242	38	U	
12672-29-6-----	Aroclor-1248	38	U	
11097-69-1-----	Aroclor-1254	38	JP 4	
11096-82-5-----	Aroclor-1260	38	2.5	JP 4

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110MS

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905906

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A020

% Moisture: 14 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

319-84-6-----	alpha-BHC	2.0	U
319-85-7-----	beta-BHC	2.0	U
319-86-8-----	delta-BHC	2.0	U
58-89-9-----	gamma-BHC (Lindane)	13	
76-44-8-----	Heptachlor	13	
309-00-2-----	Aldrin	13	
1024-57-3-----	Heptachlor epoxide	2.0	U
959-98-8-----	Endosulfan I	2.00-0.44	JP 4
60-57-1-----	Dieldrin	39	
72-55-9-----	4,4'-DDE	0.82	JP ✓
72-20-8-----	Endrin	41	
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8-0.37	JP 4
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	43	
72-43-5-----	Methoxychlor	20	U
53494-70-5-----	Endrin ketone	3.80-0.44	JP 4
7421-36-3-----	Endrin aldehyde	0.41	J
5103-71-9-----	alpha-Chlordane	2.0	U
5103-74-2-----	gamma-Chlordane	2.0	U
8001-35-2-----	Toxaphene	200	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	78	U
1114-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	38	U
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38	JP 4
11096-82-5-----	Aroclor-1260	38	U

ST  
1/13/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X110MSD

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905906R

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A021

% Moisture: 14 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
---------	----------	---	-------	---

319-84-6-----	alpha-BHC	2.0	U	
319-85-7-----	beta-BHC	2.0	U	
319-86-8-----	delta-BHC	2.0	U	
58-89-9-----	gamma-BHC (Lindane)	12		
76-44-8-----	Heptachlor	12		
309-00-2-----	Aldrin	11		
1024-57-3-----	Heptachlor epoxide	2.0	U	
959-98-8-----	Endosulfan I	2.0	U	
60-57-1-----	Dieldrin	33		
72-55-9-----	4,4'-DDE	3.8	JP 4	
72-20-8-----	Endrin	0.62		
33213-65-9-----	Endosulfan II	35		
72-54-8-----	4,4'-DDD	3.8	U	
1031-07-8-----	Endosulfan sulfate	3.8	U	
50-29-3-----	4,4'-DDT	3.8	U	
72-43-5-----	Methoxychlor	37		
53494-70-5-----	Endrin ketone	20	U	
7421-36-3-----	Endrin aldehyde	3.8	U	
5103-71-9-----	alpha-Chlordane	0.19	JP 4	
5103-74-2-----	gamma-Chlordane	2.0	U	
8001-35-2-----	Toxaphene	2.0	U	
12674-11-2-----	Aroclor-1016	200	U	
11104-28-2-----	Aroclor-1221	38	U	
1114-16-5-----	Aroclor-1232	78	U	
53469-21-9-----	Aroclor-1242	38	U	
12672-29-6-----	Aroclor-1248	38	U	
11097-69-1-----	Aroclor-1254	38	U	
11096-82-5-----	Aroclor-1260	38	U	

ST  
11303

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905820

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A067

% Moisture: 34 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/10/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	2.6	U
319-85-7-----	beta-BHC	2.6	U
319-86-8-----	delta-BHC	2.6	U
58-89-9-----	gamma-BHC (Lindane)	2.6	U
76-44-8-----	Heptachlor	25	PJ
309-00-2-----	Aldrin	2.6	U
1024-57-3-----	Heptachlor epoxide	11	PJ
959-98-8-----	Endosulfan I	11	PJ
60-57-1-----	Dieldrin	5.0	U
72-55-9-----	4,4'-DDE	120	PJ
72-20-8-----	Endrin	90	PJ
33213-65-9-----	Endosulfan II	150	
72-54-8-----	4,4'-DDD	30	PJ
1031-07-8-----	Endosulfan sulfate	5.0	U
50-29-3-----	4,4'-DDT	5.0	U
72-43-5-----	Methoxychlor	26	U
53494-70-5-----	Endrin ketone	5.0	U
7421-36-3-----	Endrin aldehyde	62	PJ
5103-71-9-----	alpha-Chlordane	2.6	U
5103-74-2-----	gamma-Chlordane	2.6	U
8001-35-2-----	Toxaphene	260	U
12674-11-2-----	Aroclor-1016	1800	
11104-28-2-----	Aroclor-1221	100	U
1114-16-5-----	Aroclor-1232	2600	PJ
53469-21-9-----	Aroclor-1242	3000	
12672-29-6-----	Aroclor-1248	2700	
11097-69-1-----	Aroclor-1254	2400	
11096-82-5-----	Aroclor-1260	1800	PJ

SK  
11/10/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X111DL

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905820D	
Sample wt/vol: 30.1 (g/mL) G	Lab File ID: HP11A052	
% Moisture: 34	decanted: (Y/N) N	Date Received: 05/27/99
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: 05/28/99	
Concentrated Extract Volume: 5000 (uL)	Date Analyzed: 06/09/99	
Injection Volume: 1.0 (uL)	Dilution Factor: 10.0	
GPC Cleanup: (Y/N) Y	pH: 7.1	Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	26	U
319-85-7-----	beta-BHC	26	U
319-86-8-----	delta-BHC	26	U
58-89-9-----	gamma-BHC (Lindane)	26	U
76-44-8-----	Heptachlor	26	U
309-00-2-----	Aldrin	26	U
1024-57-3-----	Heptachlor epoxide	26	U
959-98-8-----	Endosulfan I	8.2	DJP ✓
60-57-1-----	Dieldrin	50	U
72-55-9-----	4,4'-DDE	130	DJP ✓
72-20-8-----	Endrin	50	U
33213-65-9-----	Endosulfan II	190	D
72-54-8-----	4,4'-DDD	20	DJP ✓
1031-07-8-----	Endosulfan sulfate	24	DJP ✓
50-29-3-----	4,4'-DDT	19	DJP ✓
72-43-5-----	Methoxychlor	260	U
53494-70-5-----	Endrin ketone	50	U
7421-36-3-----	Endrin aldehyde	120	DPJ
5103-71-9-----	alpha-Chlordane	26	U
5103-74-2-----	gamma-Chlordane	26	U
8001-35-2-----	Toxaphene	2600	U
12674-11-2-----	Aroclor-1016	2800	DPJ
11104-28-2-----	Aroclor-1221	1000	U
1114-16-5-----	Aroclor-1232	5500	DPJ
53469-21-9-----	Aroclor-1242	5300	DPJ
12672-29-6-----	Aroclor-1248	4800	DPJ
11097-69-1-----	Aroclor-1254	3800	D
11096-82-5-----	Aroclor-1260	4900	D

ST  
11/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X112

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905950

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A035

% Moisture: 16 decanted: (Y/N) N

Date Received: 05/28/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Q

319-84-6-----alpha-BHC	2.0	U
319-85-7-----beta-BHC	2.0	U
319-86-8-----delta-BHC	2.0	U
58-89-9-----gamma-BHC (Lindane)	2.0	U
76-44-8-----Heptachlor	2.0	U
309-00-2-----Aldrin	2.0	U
1024-57-3-----Heptachlor epoxide	2.0	U
959-98-8-----Endosulfan I	2.0	JP, U
60-57-1-----Dieldrin	3.9	JP, U
72-55-9-----4,4'-DDE	3.9	JP, U
72-20-8-----Endrin	4.6	PJ
33213-65-9-----Endosulfan II	3.9	U
72-54-8-----4,4'-DDD	4.0	U
1031-07-8-----Endosulfan sulfate	3.9	U
50-29-3-----4,4'-DDT	4.0	PJ
72-43-5-----Methoxychlor	20	U
53494-70-5-----Endrin ketone	3.9	U
7421-36-3-----Endrin aldehyde	1.4	JP,
5103-71-9-----alpha-Chlordane	2.0	U
5103-74-2-----gamma-Chlordane	2.0	U
8001-35-2-----Toxaphene	200	U
12674-11-2-----Aroclor-1016	39	U
11104-28-2-----Aroclor-1221	80	U
1114-16-5-----Aroclor-1232	39	U
53469-21-9-----Aroclor-1242	39	U
12672-29-6-----Aroclor-1248	39	U
11097-69-1-----Aroclor-1254	16	J
11096-82-5-----Aroclor-1260	39	U

ST  
11/10/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113

Lab Code: SPFLD	Case No.: SAUGETS SAS No.:	SDG No.: 905601
Matrix: (soil/water) SOIL	Lab Sample ID: D905816	
Sample wt/vol: 30.1 (g/mL) G	Lab File ID: HP11A063	
% Moisture: 13	decanted: (Y/N) N	Date Received: 05/27/99
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: 05/28/99	
Concentrated Extract Volume: 5000(uL)	Date Analyzed: 06/10/99	
Injection Volume: 1.0 (uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH: 8.2	Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	1.9	U	
319-85-7-----	beta-BHC	1.9	U	
319-86-8-----	delta-BHC	1.9	U	
58-89-9-----	gamma-BHC (Lindane)	1.9	U	
76-44-8-----	Heptachlor	1.9	U	
309-00-2-----	Aldrin	140	P J	
1024-57-3-----	Heptachlor epoxide	63	P J	
959-98-8-----	Endosulfan I	1.2	JP ✓	
60-57-1-----	Dieldrin	3.8	U	
72-55-9-----	4, 4'-DDE	77	P J B ✓	
72-20-8-----	Endrin	43	P J	
33213-65-9-----	Endosulfan II	3.8	U	
72-54-8-----	4, 4'-DDD	48	P J	
1031-07-8-----	Endosulfan sulfate	18	U	
50-29-3-----	4, 4'-DDT	3.8	U	
72-43-5-----	Methoxychlor	19	U	
53494-70-5-----	Endrin ketone	3.8	U	
7421-36-3-----	Endrin aldehyde	3.8	U	
5103-71-9-----	alpha-Chlordane	1.9	U	
5103-74-2-----	gamma-Chlordane	9.6	P J	
8001-35-2-----	Toxaphene	190	U	
12674-11-2-----	Aroclor-1016	38	U	
11104-28-2-----	Aroclor-1221	76	U	
1114-16-5-----	Aroclor-1232	38	U	
53469-21-9-----	Aroclor-1242	2400	U	
12672-29-6-----	Aroclor-1248	2000	U	
11097-69-1-----	Aroclor-1254	2000	U	
11096-82-5-----	Aroclor-1260	38	U	

ST  
11/10/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

X113DL

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D905816D

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: HP11A041

% Moisture: 13 decanted: (Y/N) N

Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/28/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 06/09/99

Injection Volume: 1.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
---------	----------	-----------------	-------	---

319-84-6-----	alpha-BHC	19	U	
319-85-7-----	beta-BHC	19	U	
319-86-8-----	delta-BHC	19	U	
58-89-9-----	gamma-BHC (Lindane)	19	U	
76-44-8-----	Heptachlor	19	U	
309-00-2-----	Aldrin	19	U	
1024-57-3-----	Heptachlor epoxide	19	U	
959-98-8-----	Endosulfan I	19	U	
60-57-1-----	Dieldrin	38	U	
72-55-9-----	4,4'-DDE	110	D <sub>B</sub> ✓	
72-20-8-----	Endrin	54	DPJ	
33213-65-9-----	Endosulfan II	38	U	
72-54-8-----	4,4'-DDD	38	U	
1031-07-8-----	Endosulfan sulfate	38	U	
50-29-3-----	4,4'-DDT	38	U	
72-43-5-----	Methoxychlor	190	U	
53494-70-5-----	Endrin ketone	38	U	
7421-36-3-----	Endrin aldehyde	38	U	
5103-71-9-----	alpha-Chlordane	19	U	
5103-74-2-----	gamma-Chlordane	34	DPJ	
8001-35-2-----	Toxaphene	1900	U	
12674-11-2-----	Aroclor-1016	380	U	
11104-28-2-----	Aroclor-1221	760	U	
1114-16-5-----	Aroclor-1232	380	U	
53469-21-9-----	Aroclor-1242	3000	DPJ	
12672-29-6-----	Aroclor-1248	2600	DPJ	
11097-69-1-----	Aroclor-1254	4300	D	
11096-82-5-----	Aroclor-1260	1800	DPJ	

ST  
110/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

PBLKS1

Lab Code: SPFLD Case No.: SAUGETS SAS No.: SDG No.: 905601

Matrix: (soil/water) SOIL Lab Sample ID: D905907

Sample wt/vol: 30.0 (g/mL) G Lab File ID: HP11A018

% Moisture: 0 decanted: (Y/N) N Date Received: 05/27/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/28/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
319-84-6-----	alpha-BHC	1.7	U	
319-85-7-----	beta-BHC	1.7	U	
319-86-8-----	delta-BHC	1.7	U	
58-89-9-----	gamma-BHC (Lindane)	1.7	U	
76-44-8-----	Heptachlor	1.7	U	
309-00-2-----	Aldrin	1.7	U	
1024-57-3-----	Heptachlor epoxide	1.7	U	
959-98-8-----	Endosulfan I	0.10	JP	4
60-57-1-----	Dieldrin	3.3	U	
72-55-9-----	4,4'-DDE	0.11	J	
72-20-8-----	Endrin	3.3	U	
33213-65-9-----	Endosulfan II	0.056	JP	4
72-54-8-----	4,4'-DDD	3.3	U	
1031-07-8-----	Endosulfan sulfate	3.3	U	
50-29-3-----	4,4'-DDT	3.3	U	
72-43-5-----	Methoxychlor	17	U	
53494-70-5-----	Endrin ketone	3.3	U	
7421-36-3-----	Endrin aldehyde	0.042	JP	4
5103-71-9-----	alpha-Chlordane	1.7	U	
5103-74-2-----	gamma-Chlordane	1.7	U	
8001-35-2-----	Toxaphene	170	U	
12674-11-2-----	Aroclor-1016	33	U	
11104-28-2-----	Aroclor-1221	67	U	
1114-16-5-----	Aroclor-1232	33	U	
53469-21-9-----	Aroclor-1242	33	U	
12672-29-6-----	Aroclor-1248	33	U	
11097-69-1-----	Aroclor-1254	3.0	JP	4
11096-82-5-----	Aroclor-1260	33	U	

ST  
11/10/03

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA

Contract: 1631210001

PBLKS2

Lab Code: SPFLD

Case No.: SAUGETS SAS No.:

SDG No.: 905601

Matrix: (soil/water) SOIL

Lab Sample ID: D906035

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: HP11A019

% Moisture: 0 decanted: (Y/N) N

Date Received: 05/26/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/03/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/08/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	3.3	U
72-55-9-----	4,4'-DDE	0.074	J
72-20-8-----	Endrin	3.3	U
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-36-3-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
1114-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

33 1.0 JP 4

ST  
110103